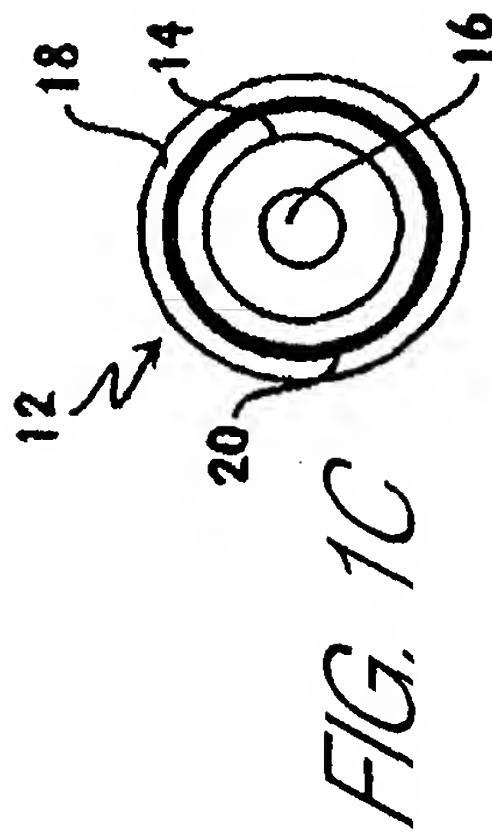
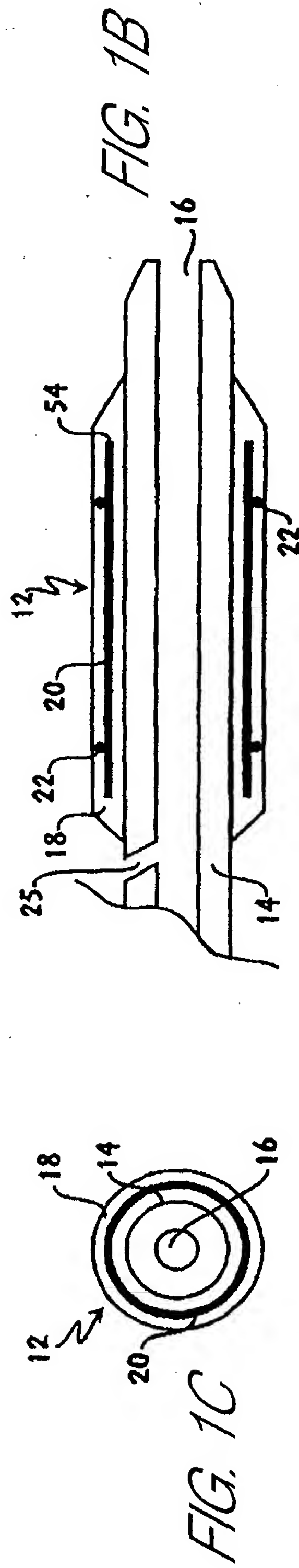
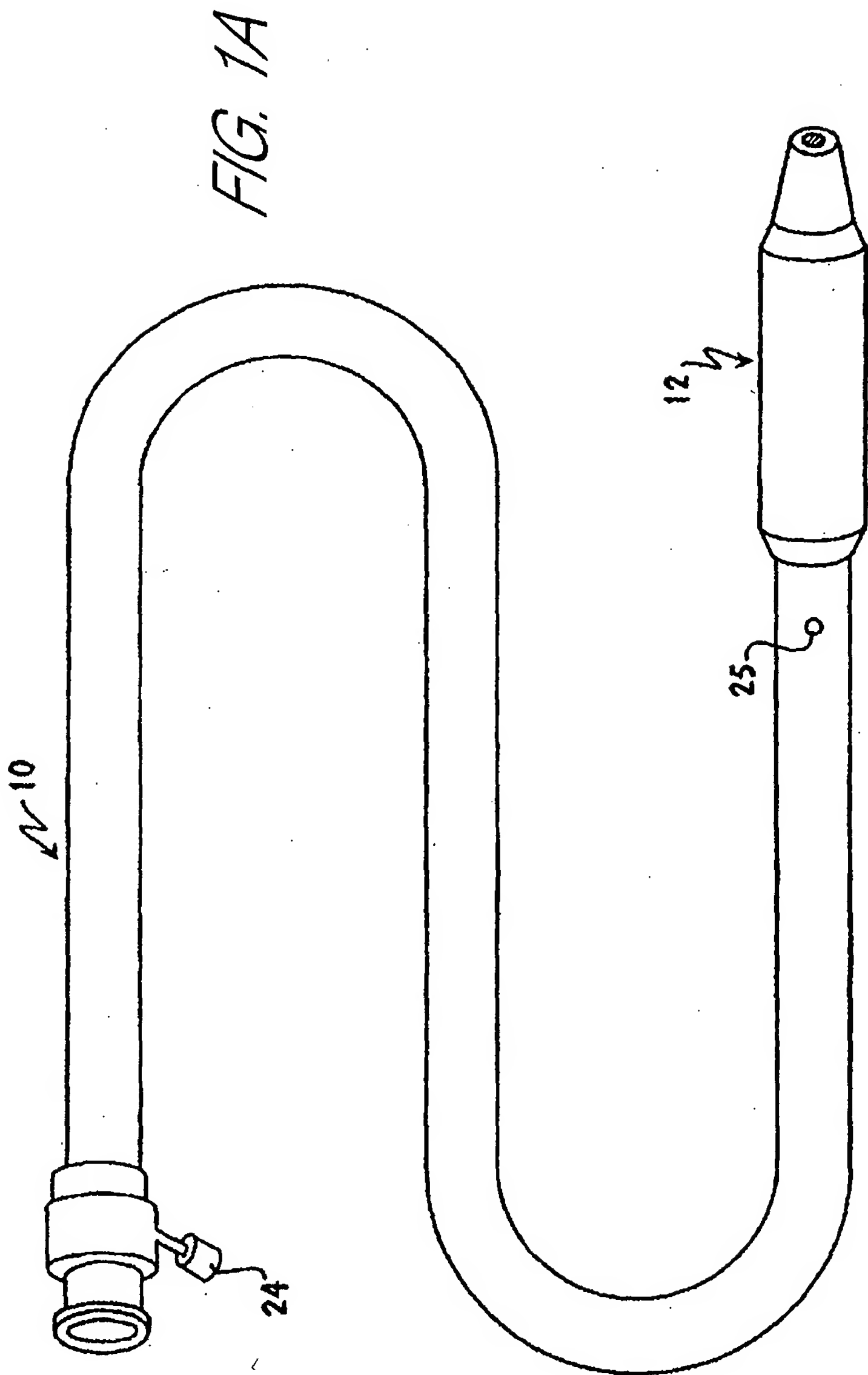


ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

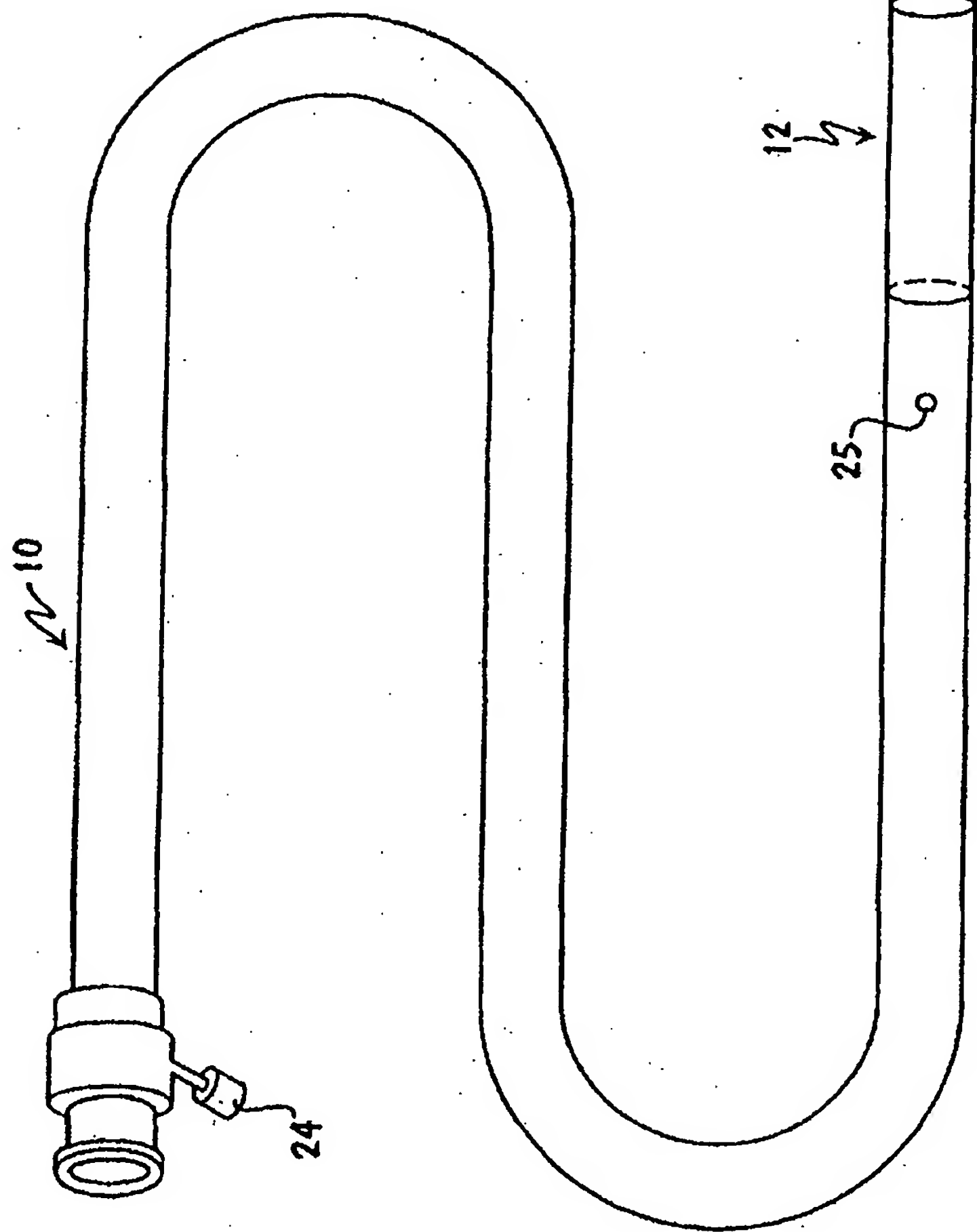


FIG. 2A

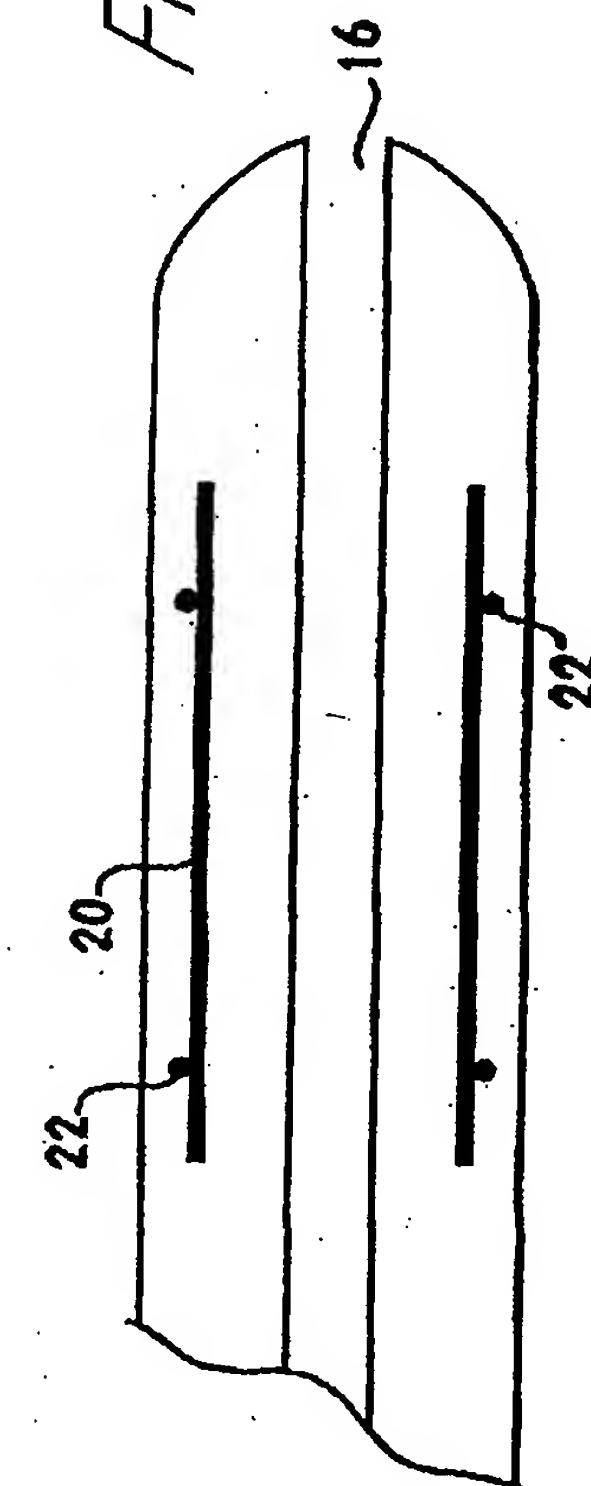


FIG. 2B

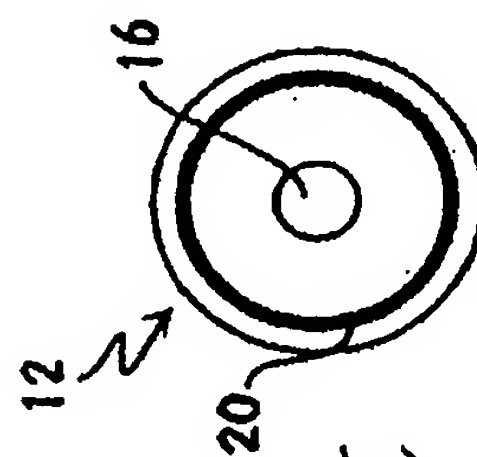


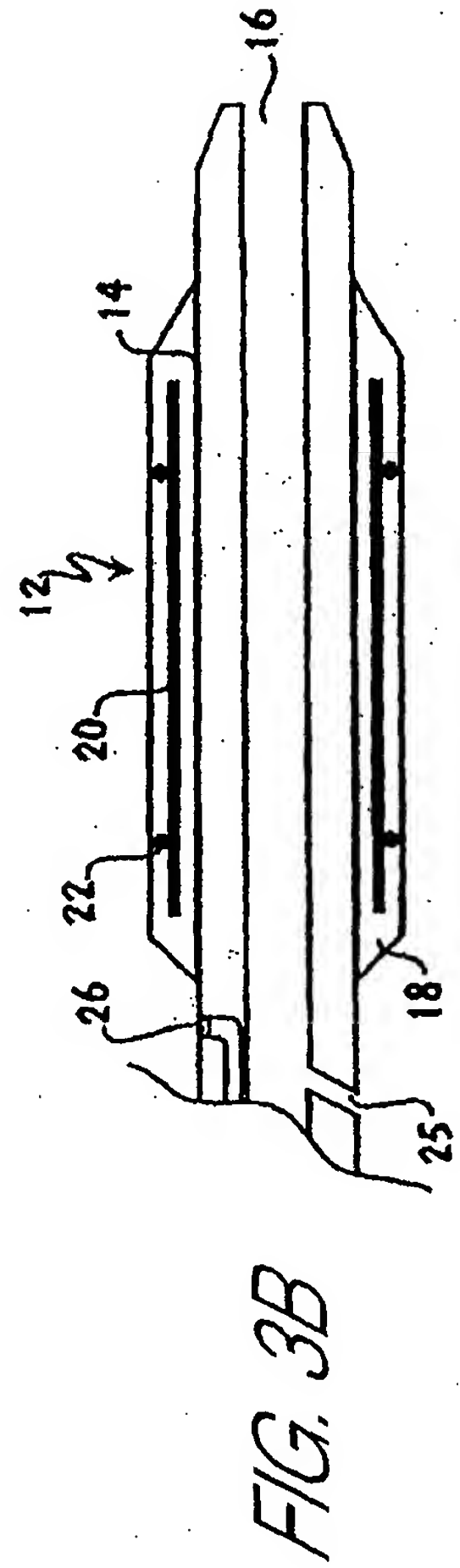
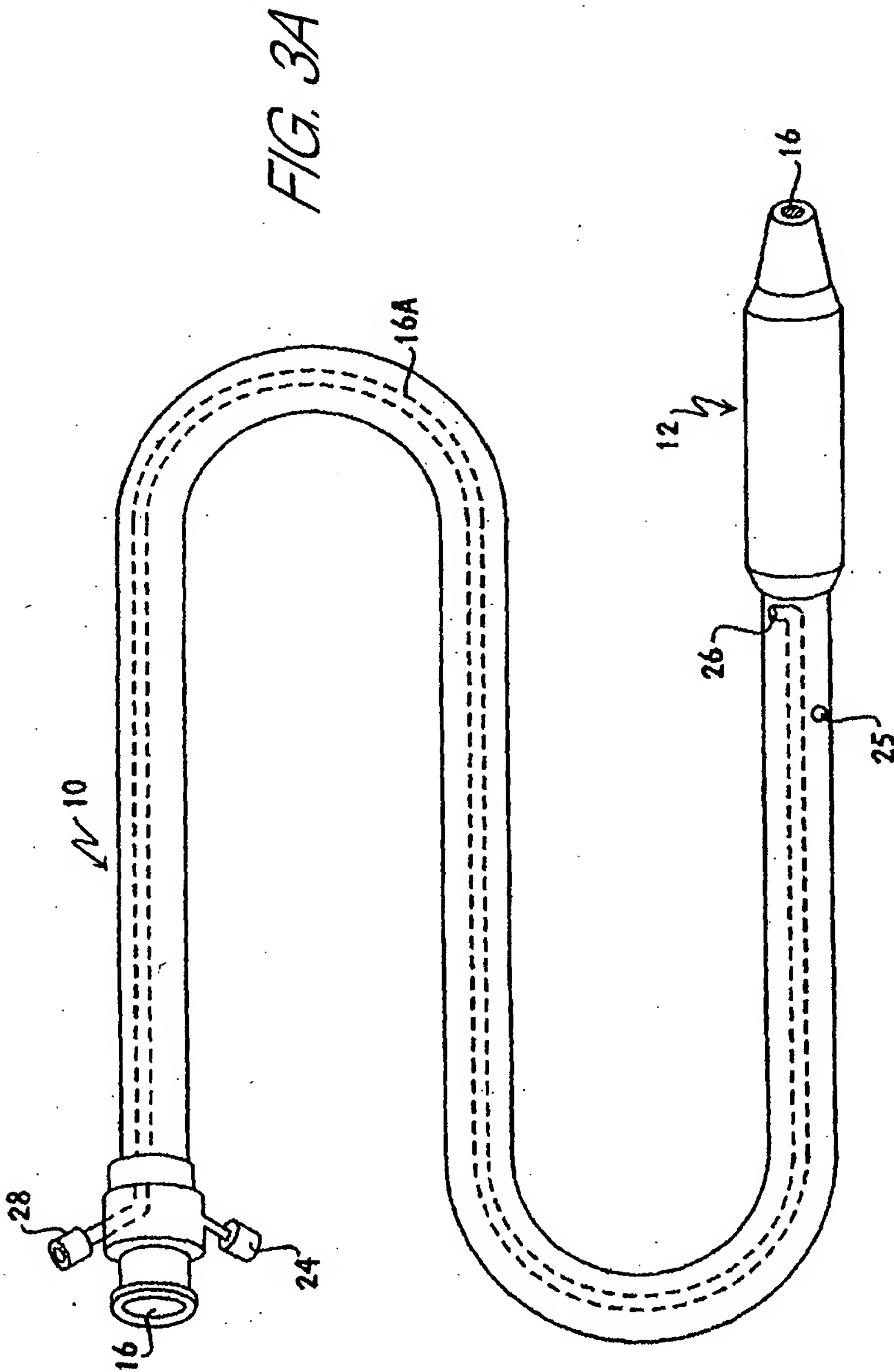
FIG. 2C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

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ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

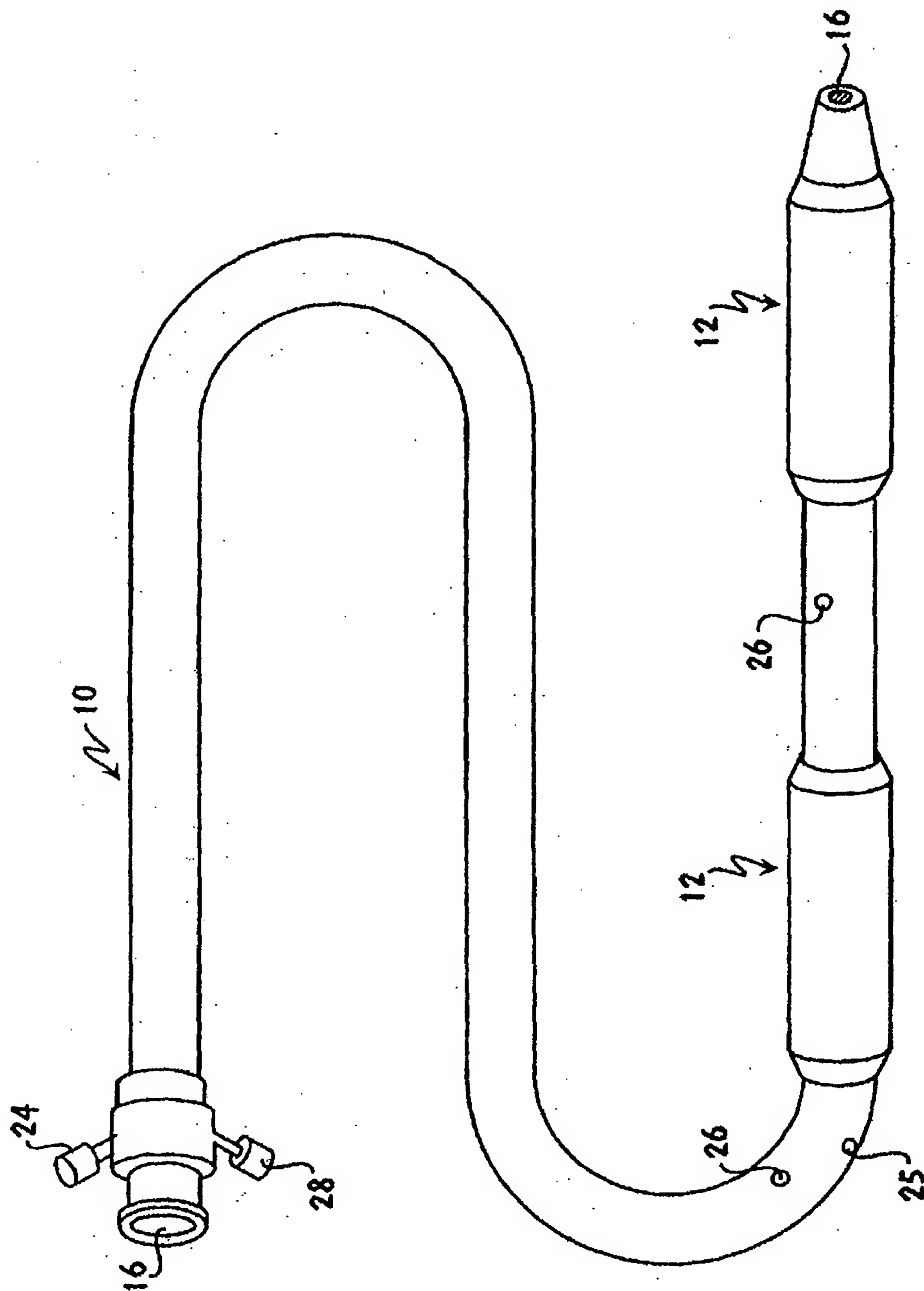


FIG. 4A

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DVIC3

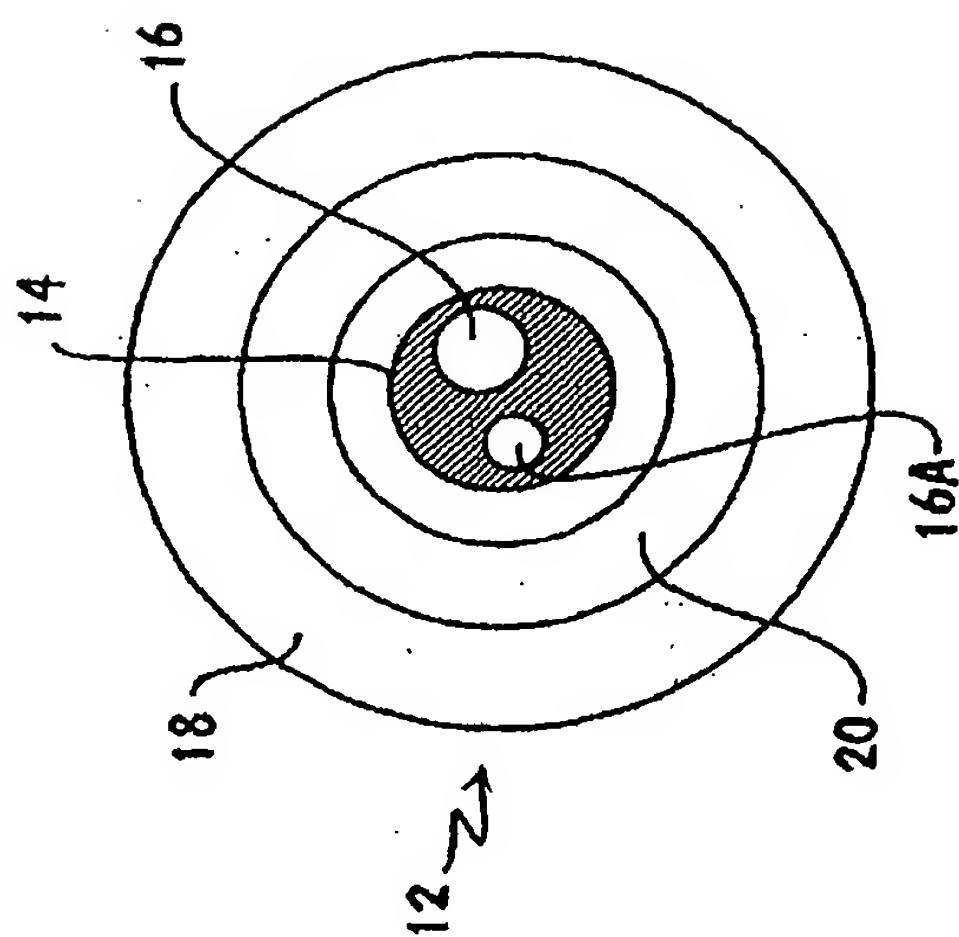


FIG. 4C

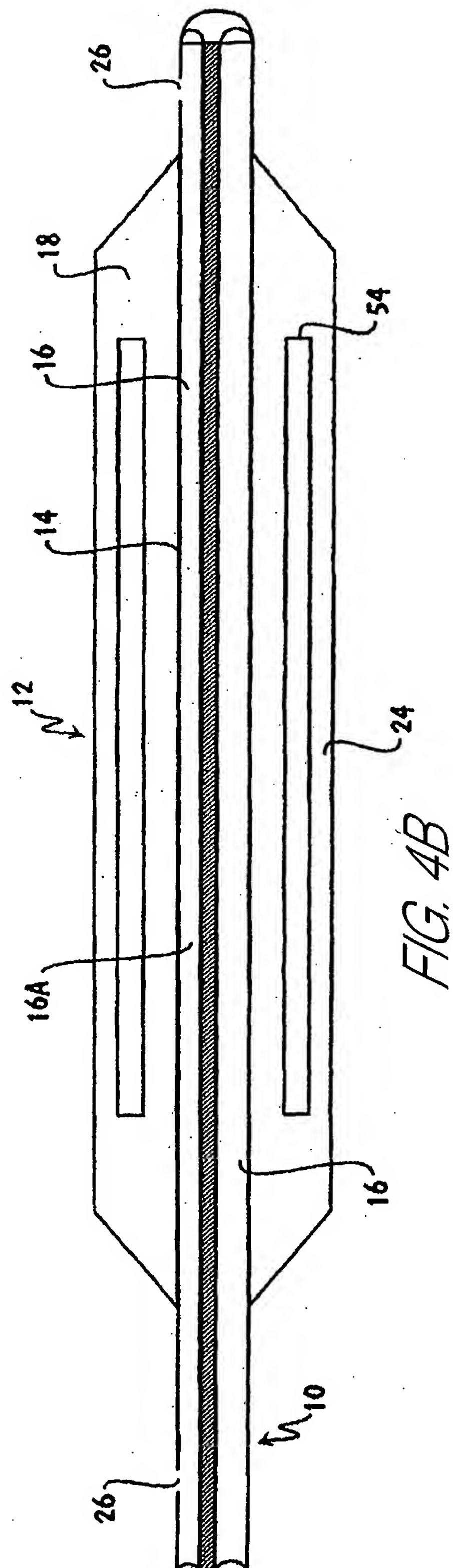


FIG. 4B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

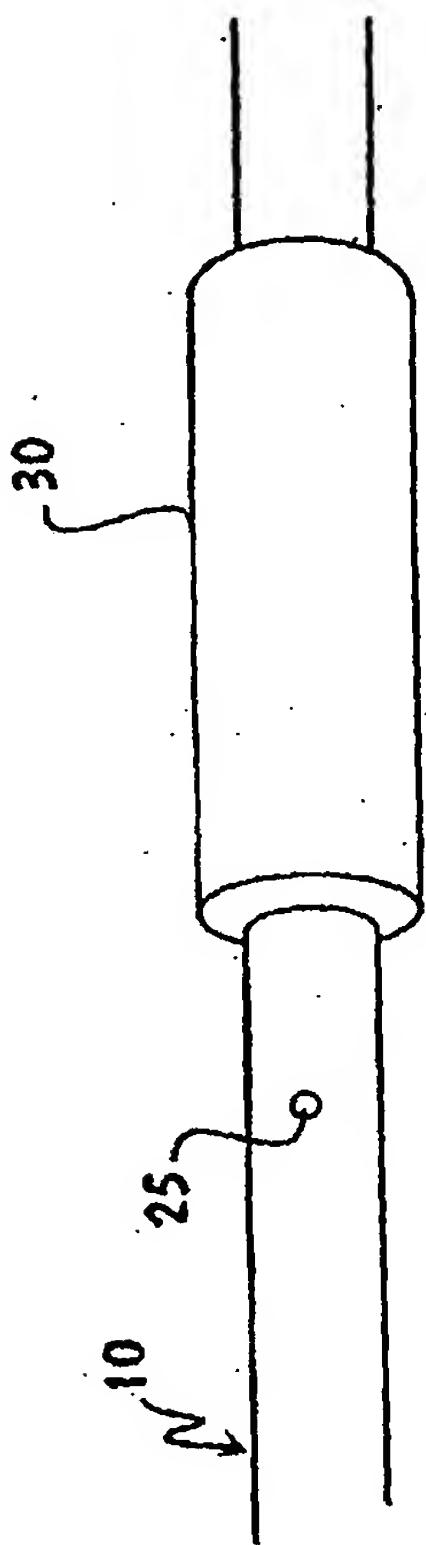


FIG. 5A

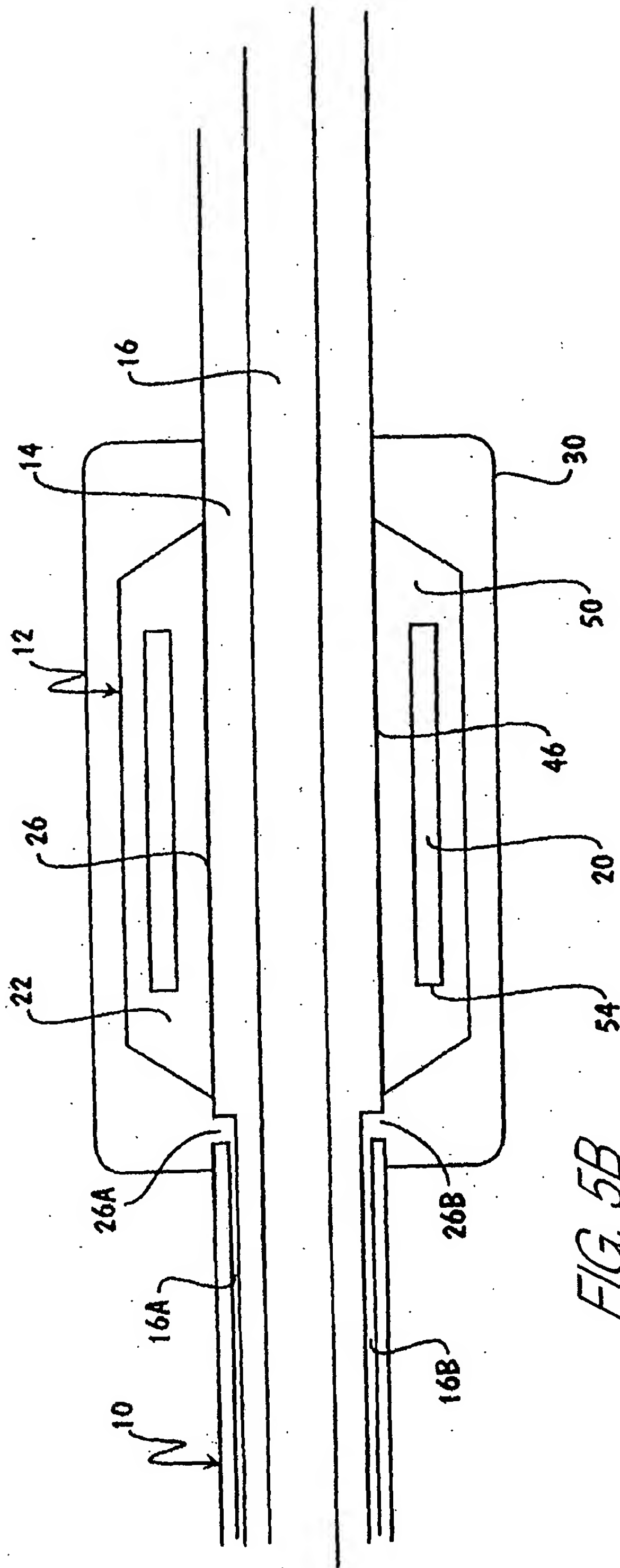
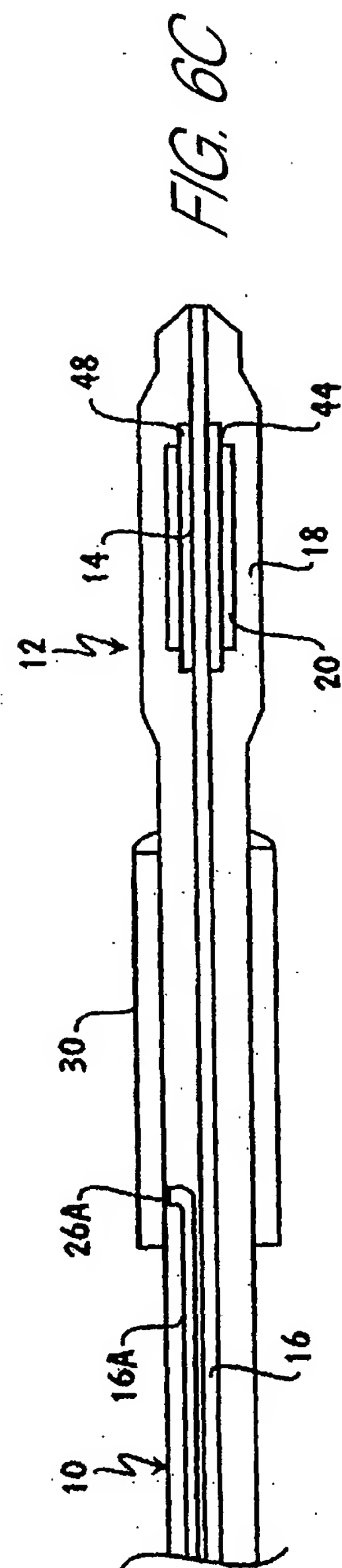
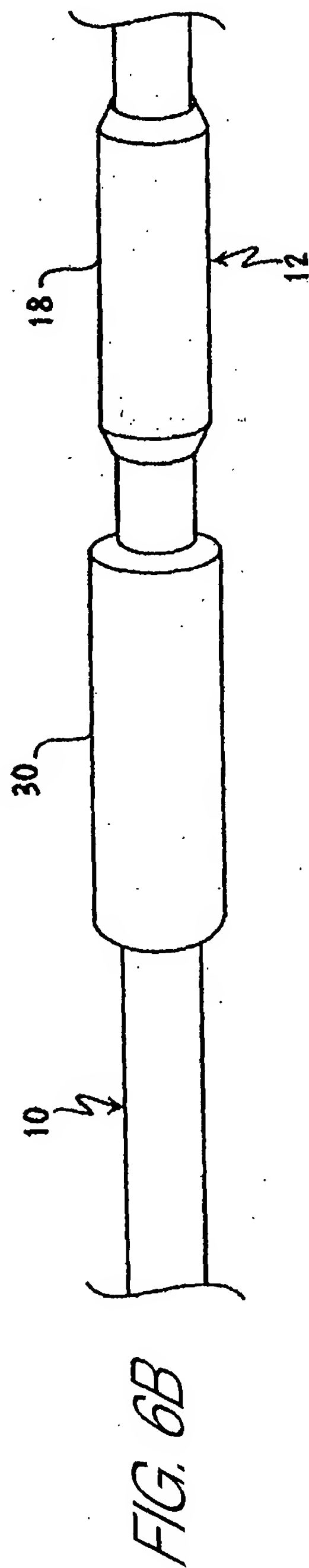
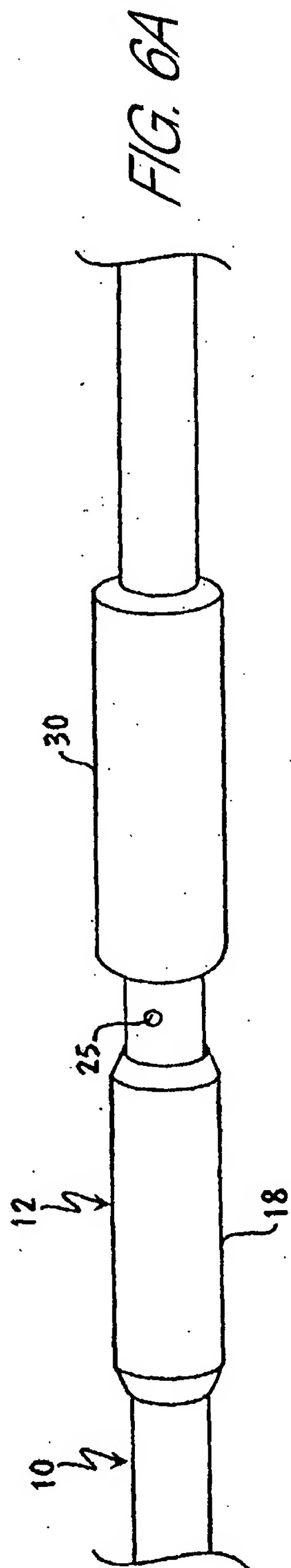


FIG. 5B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

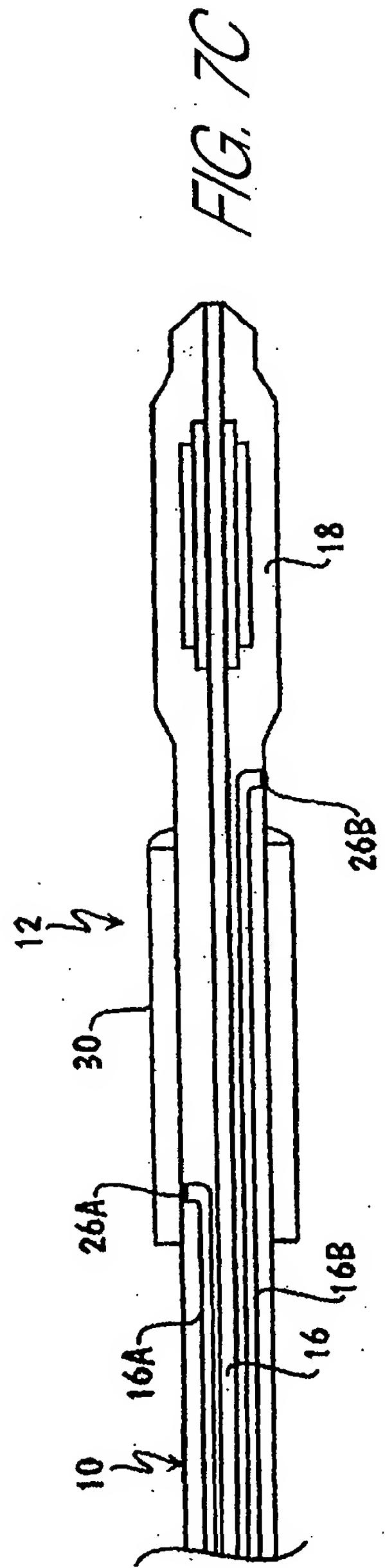
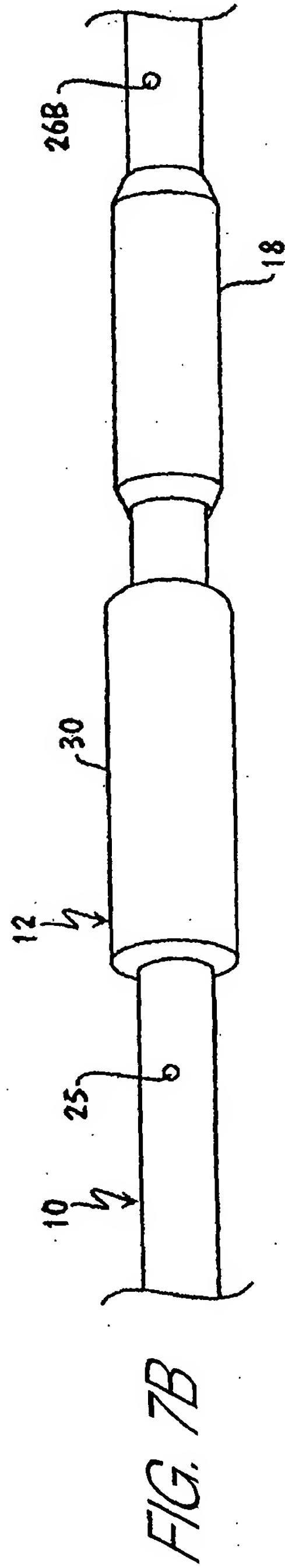
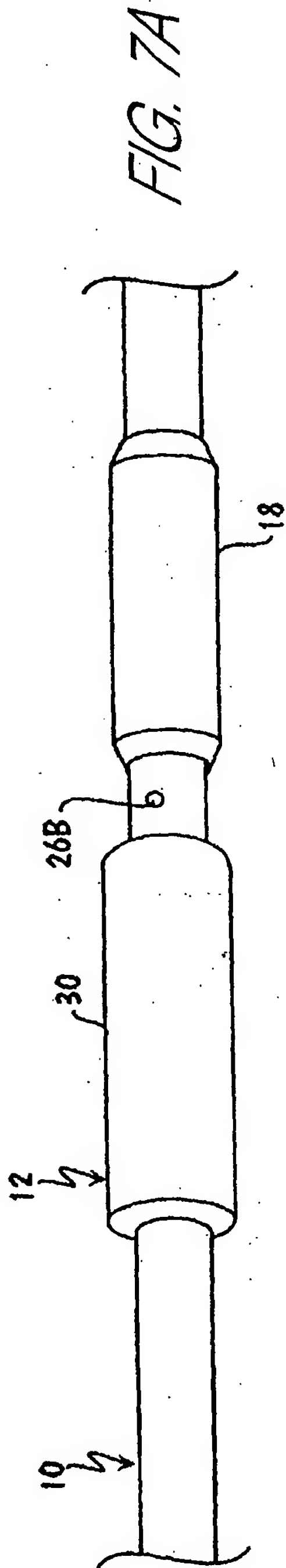
Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3

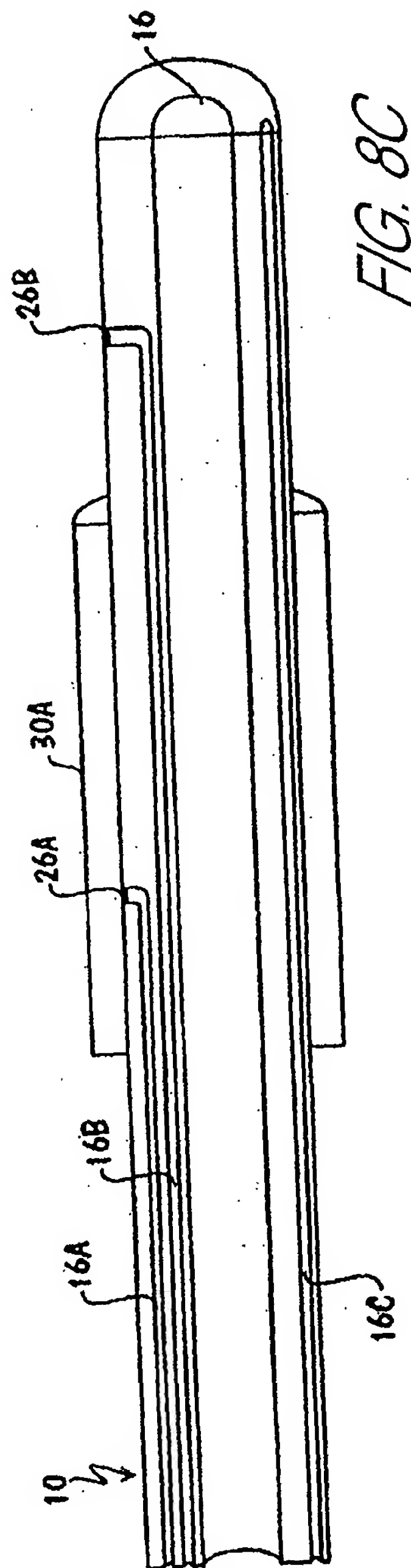
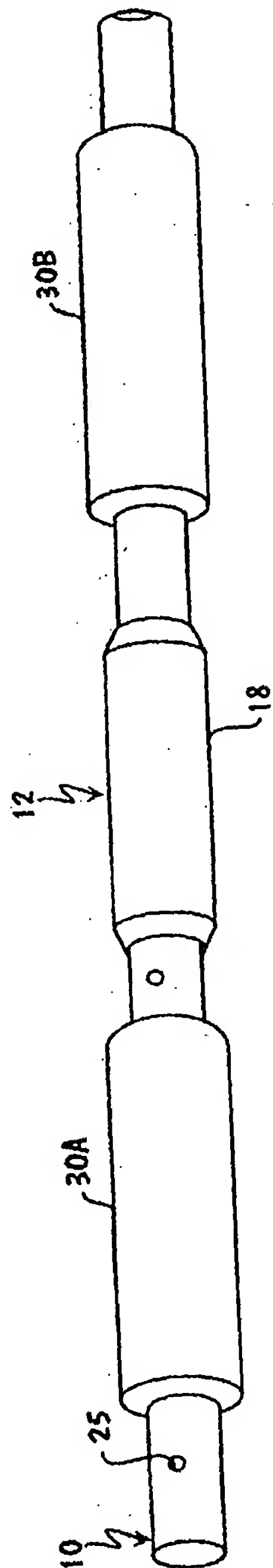
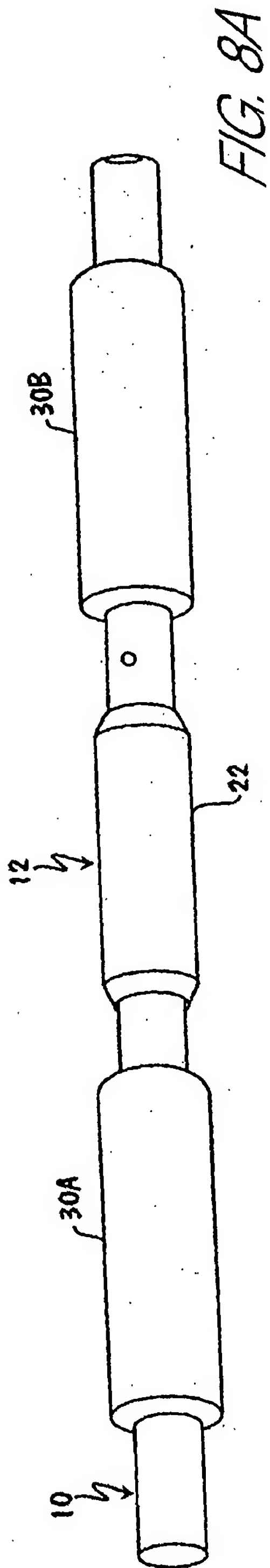


ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

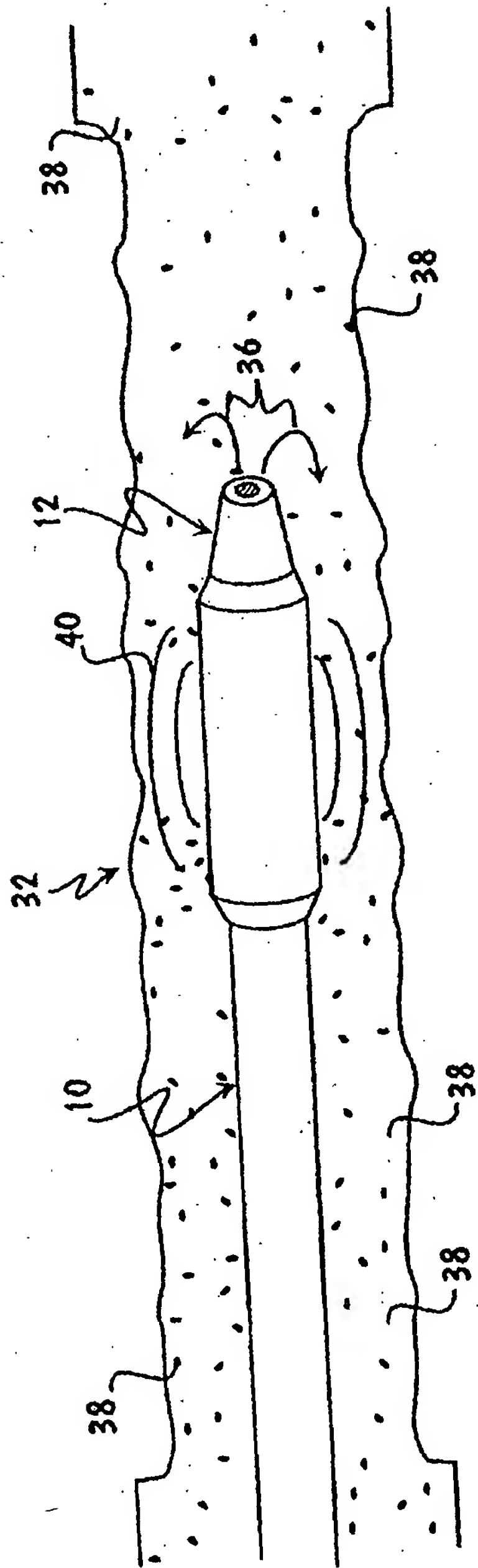


FIG. 9A

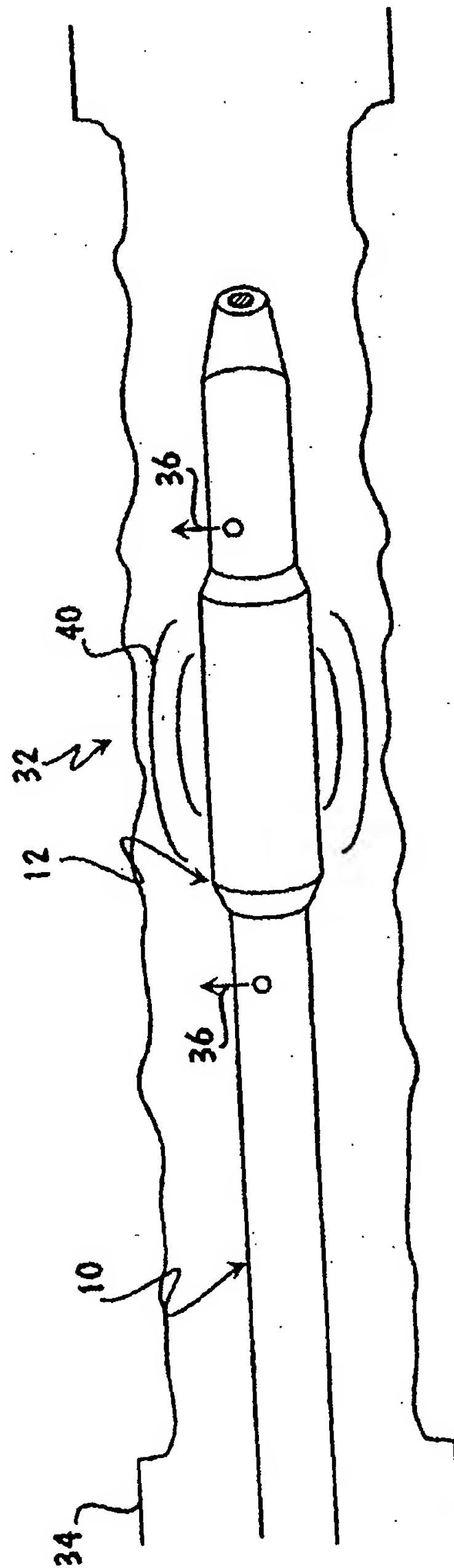


FIG. 9B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

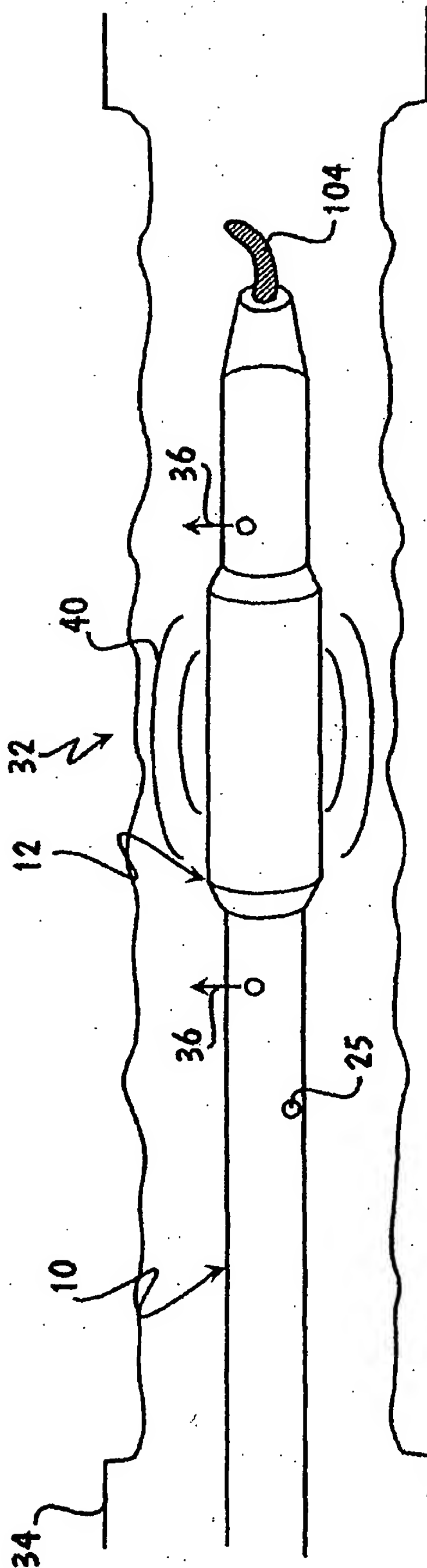


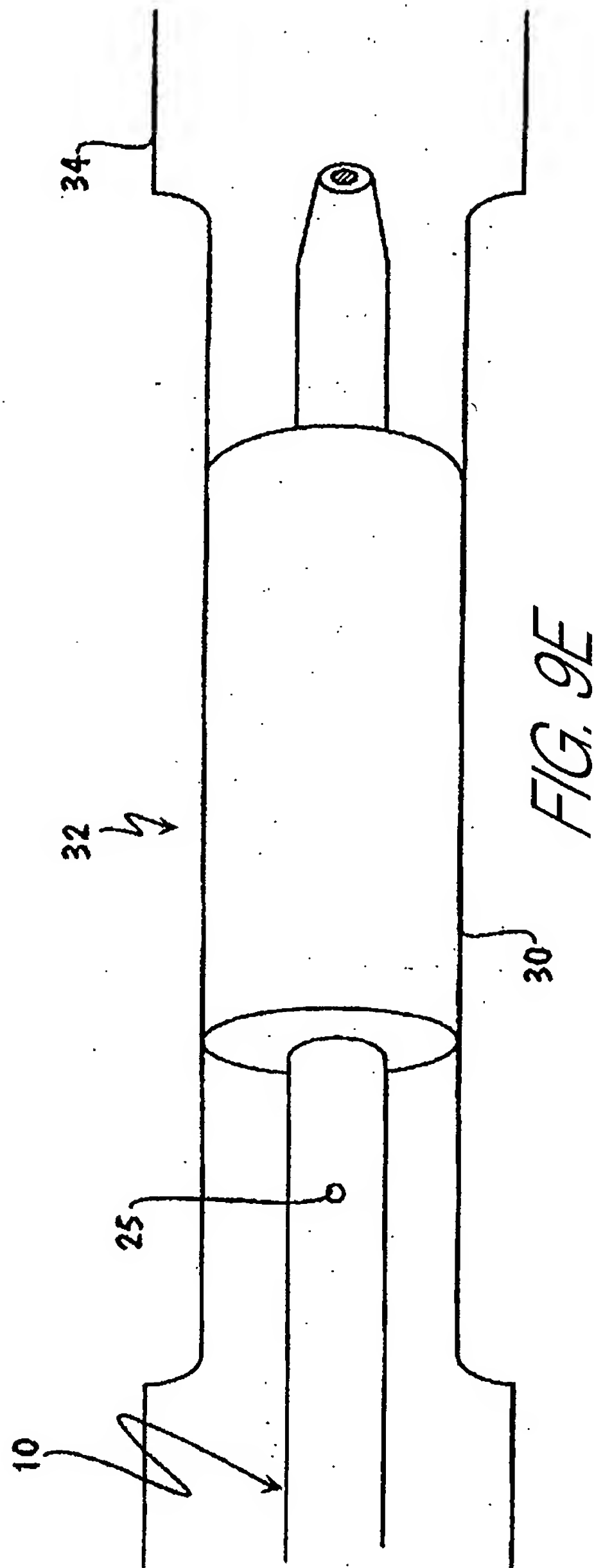
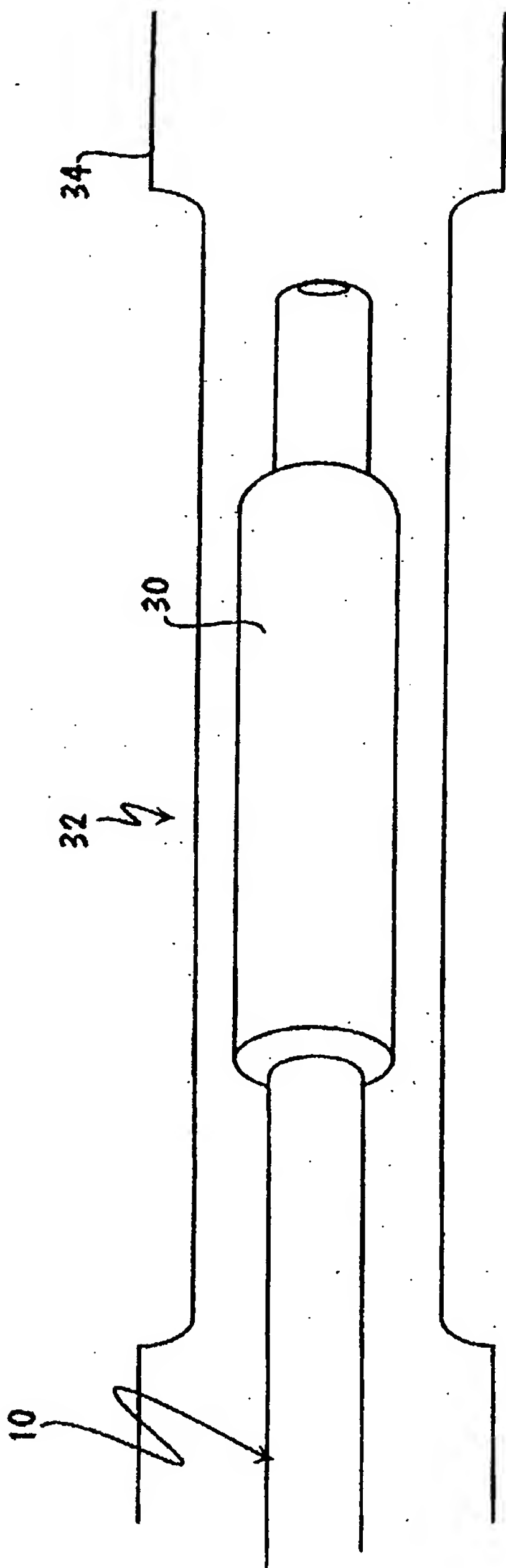
FIG. 9C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



**ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS**

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

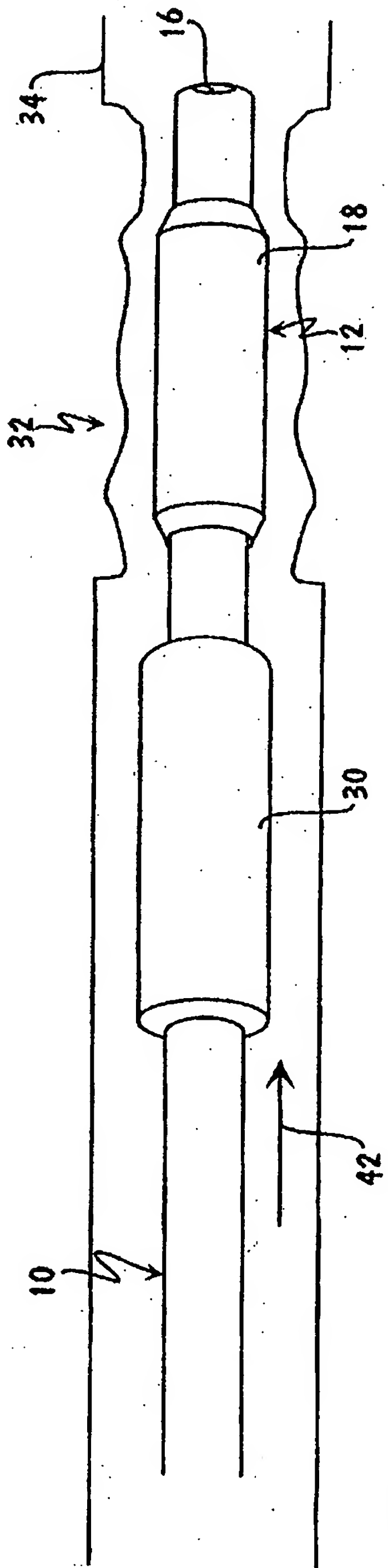


FIG. 9F

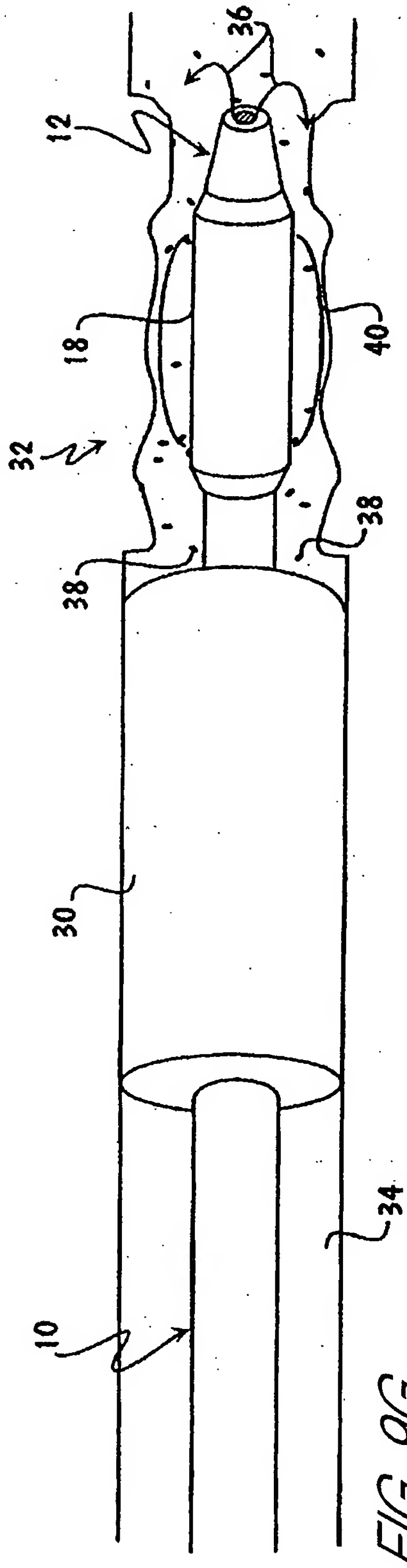


FIG. 9G

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DVIC3

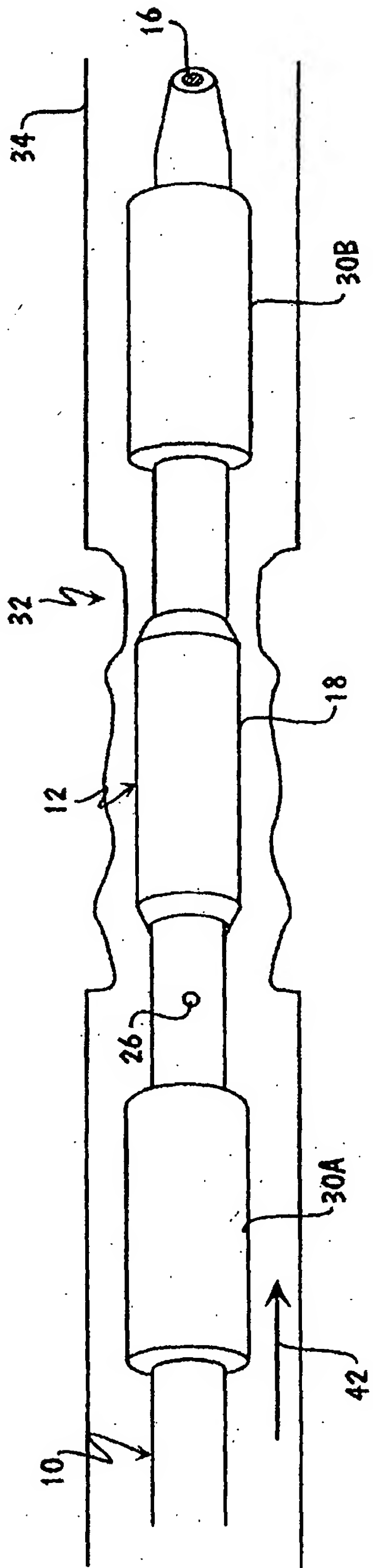


FIG. 9H

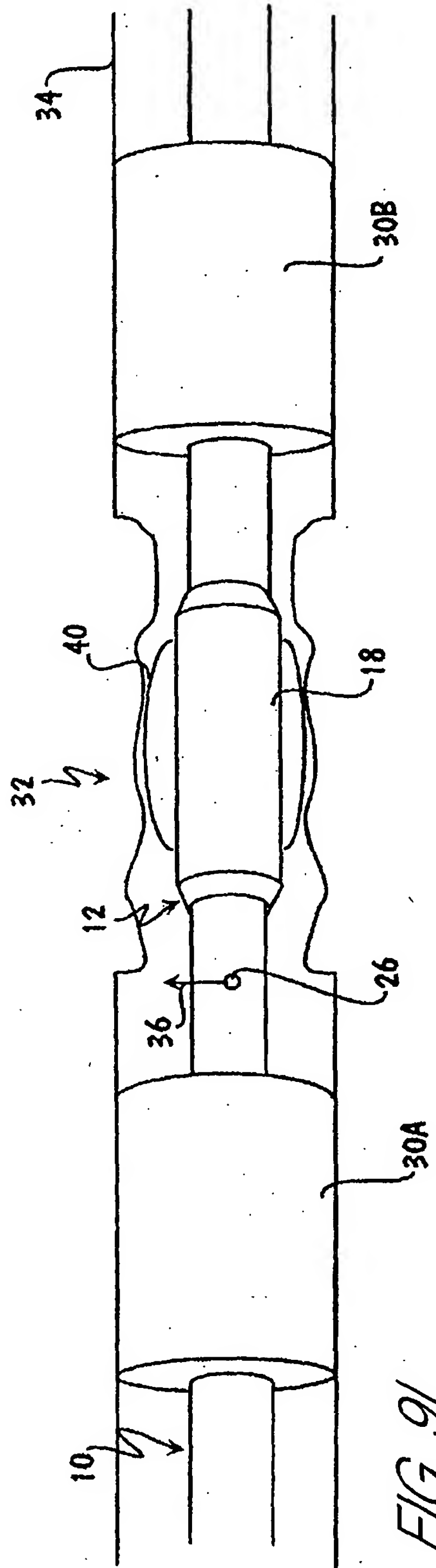


FIG. 9I

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

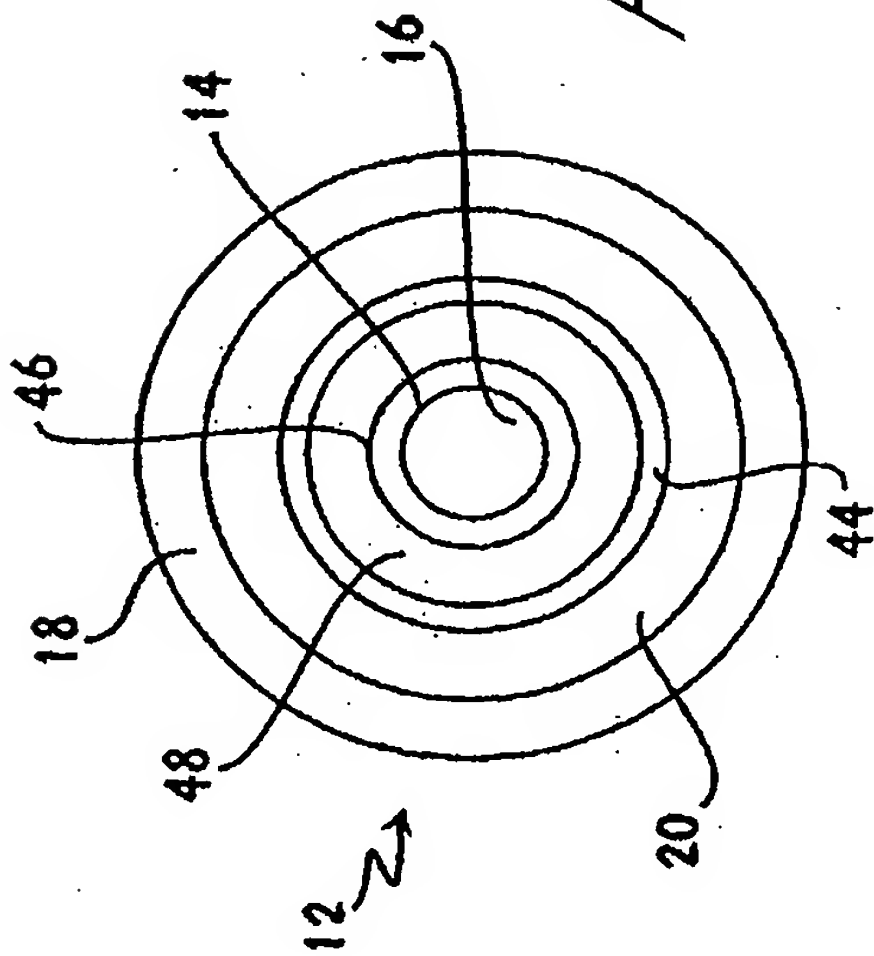


FIG. 10B

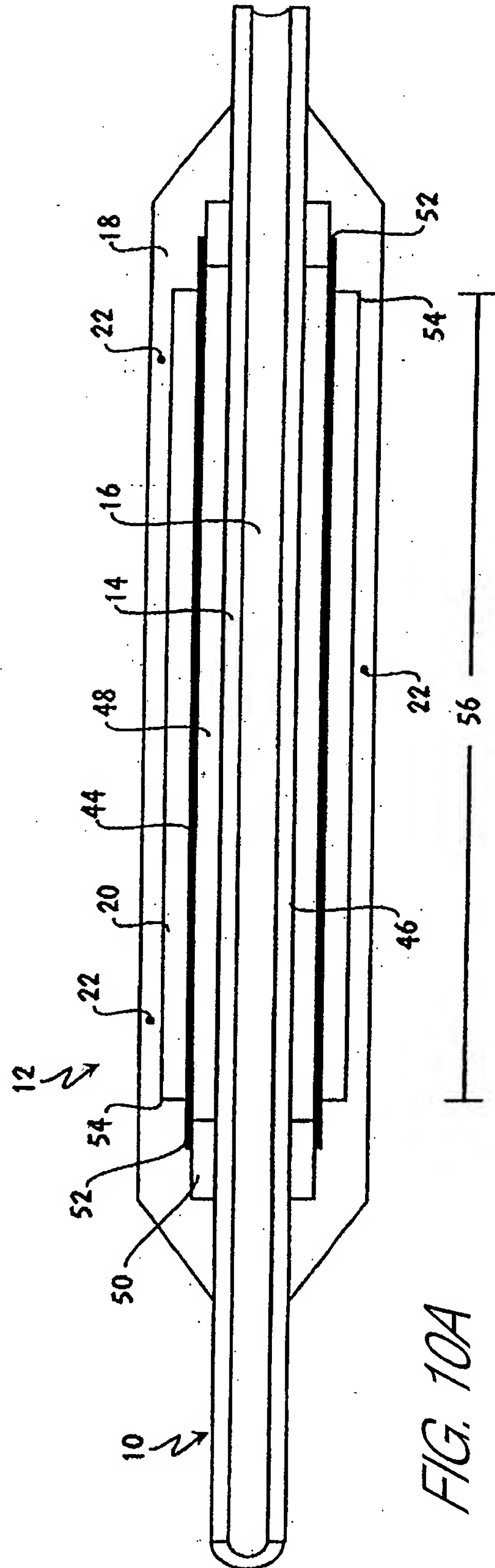


FIG. 10A

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

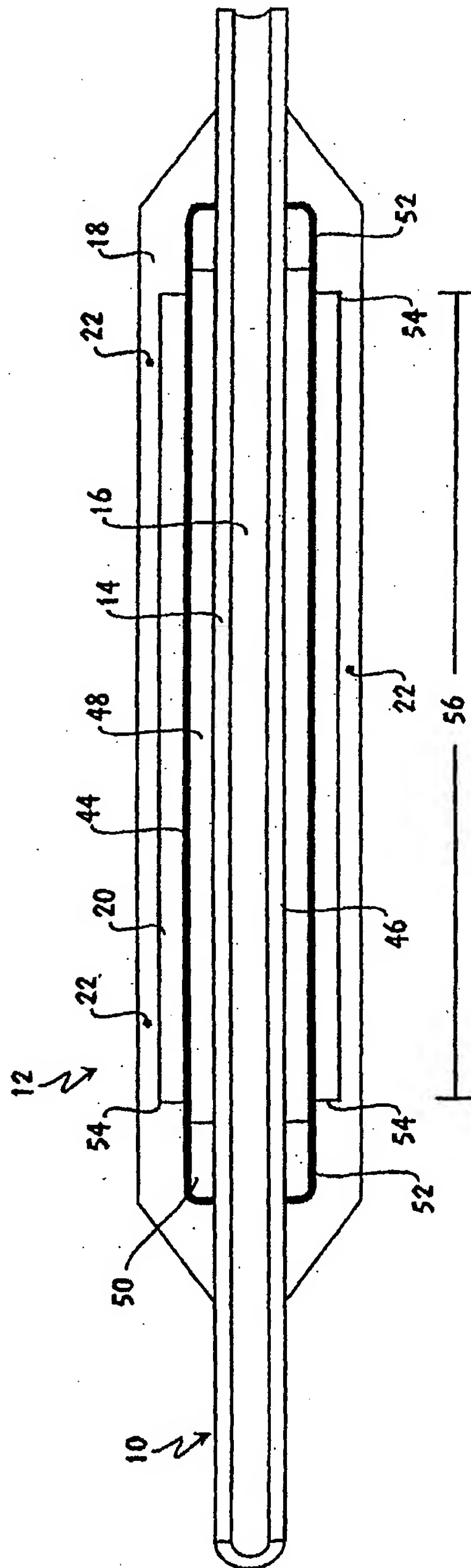


FIG. 10C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

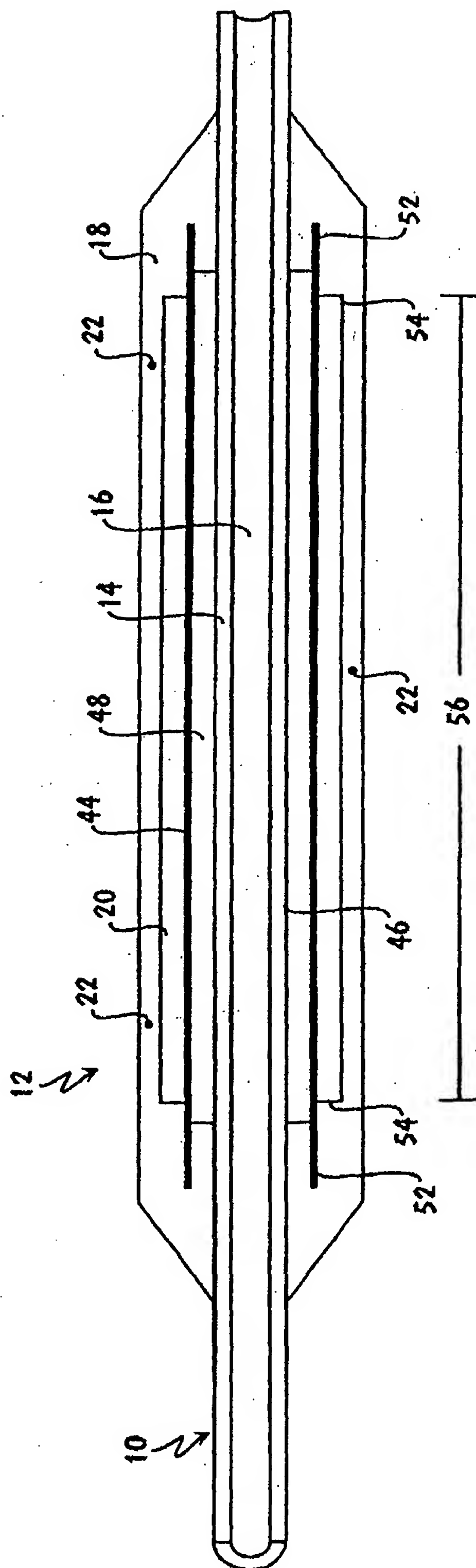


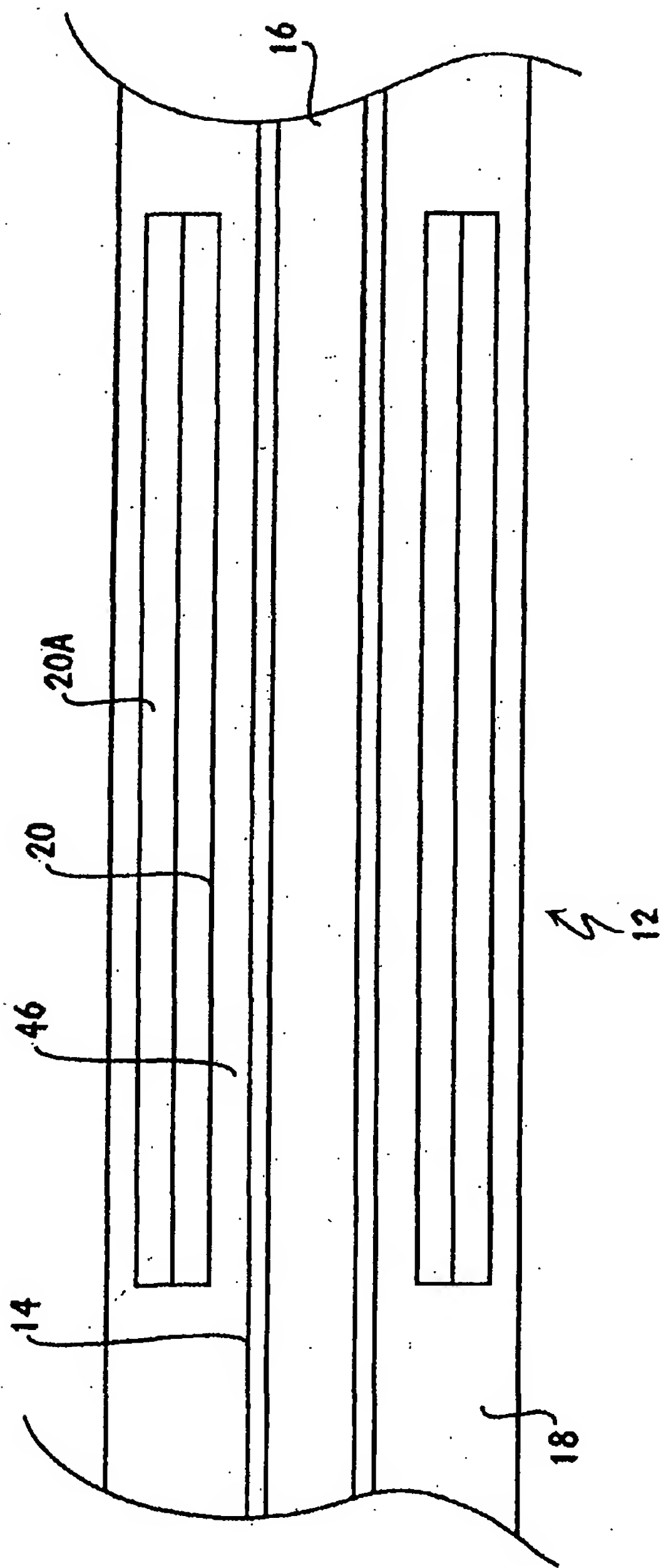
FIG. 10D

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

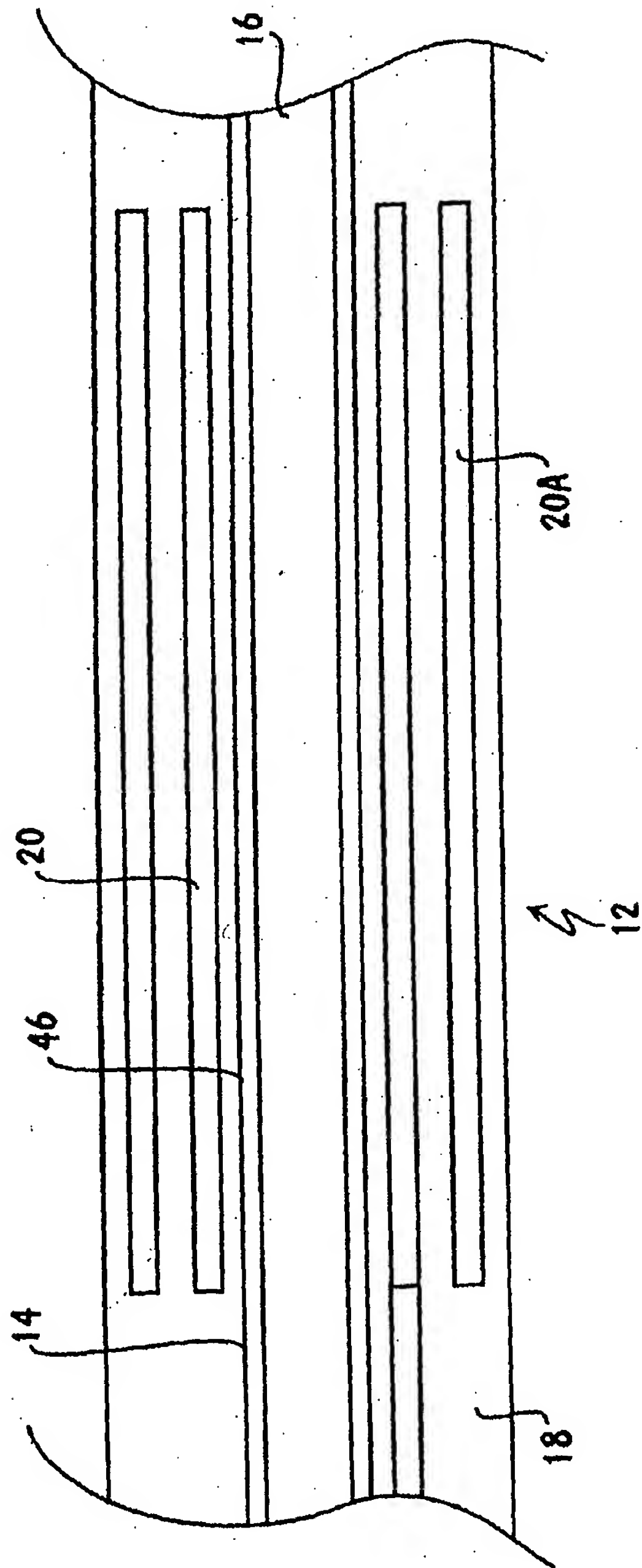


FIG. 11B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

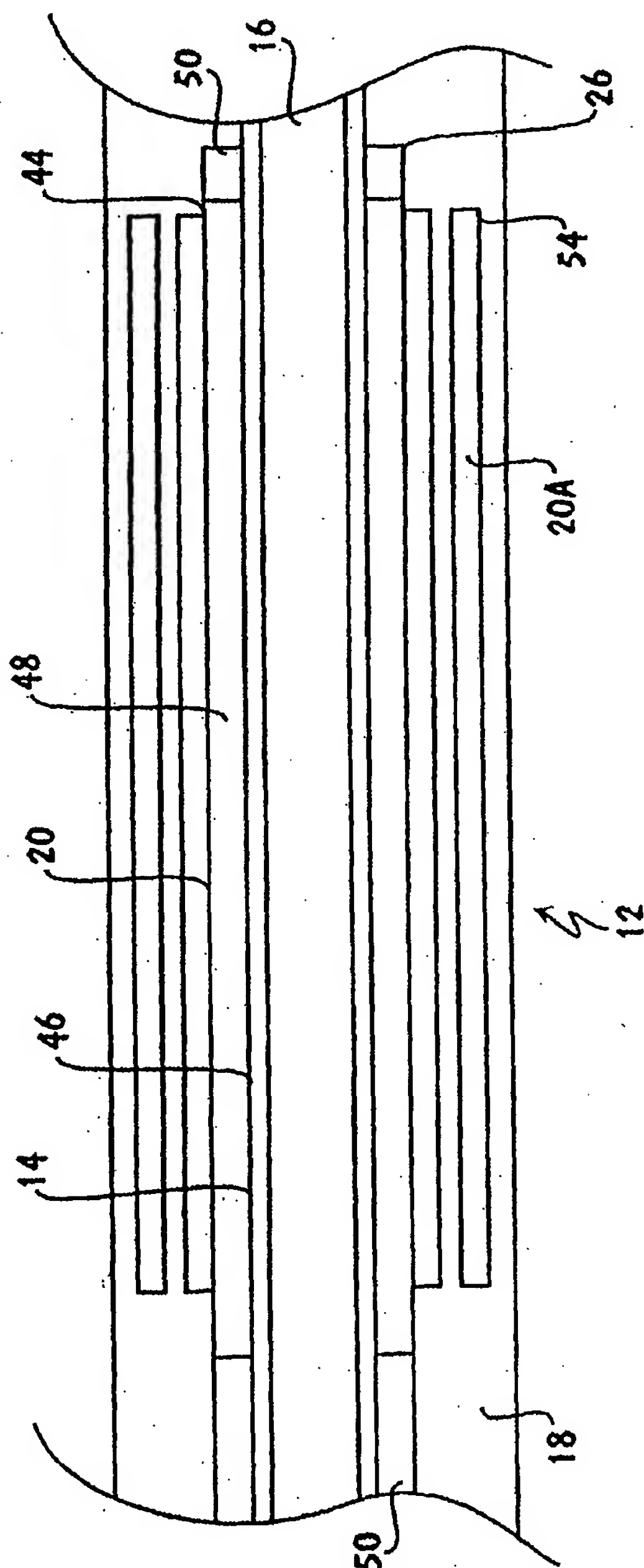


FIG. 11C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DVIC3

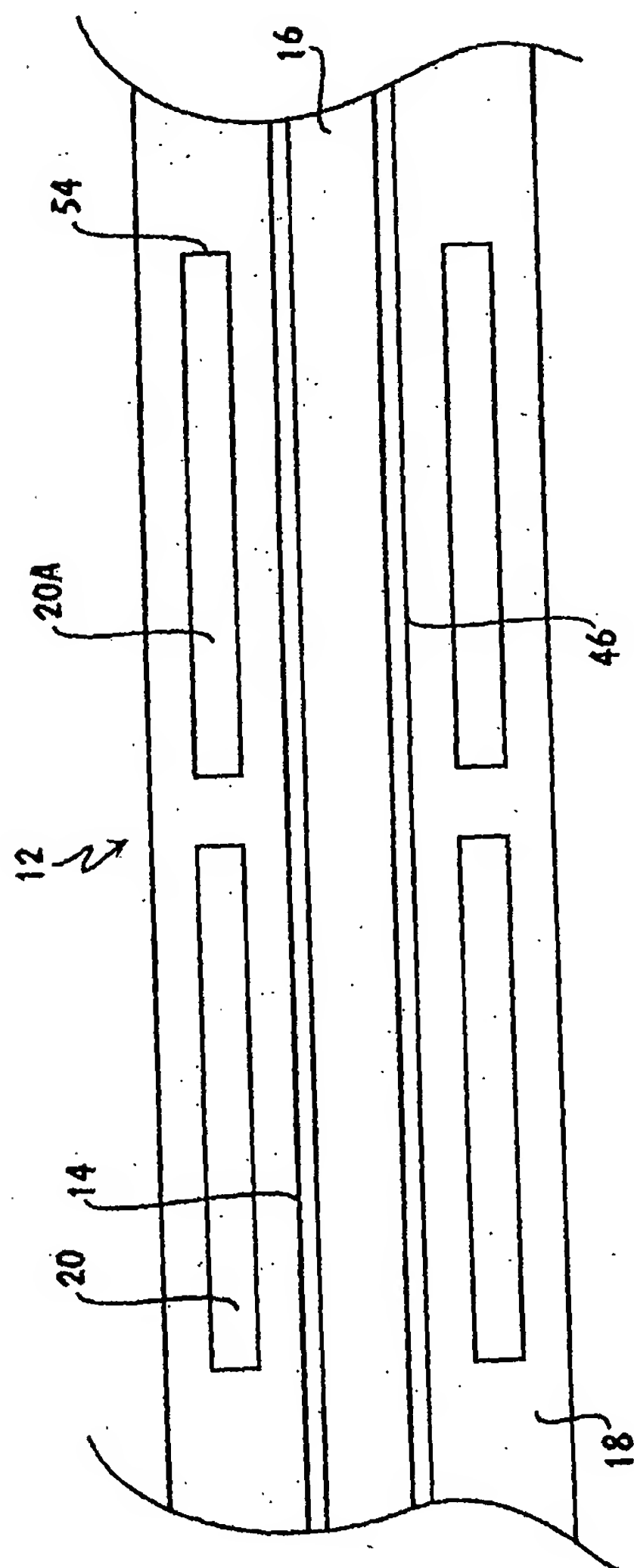


FIG. 11D

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

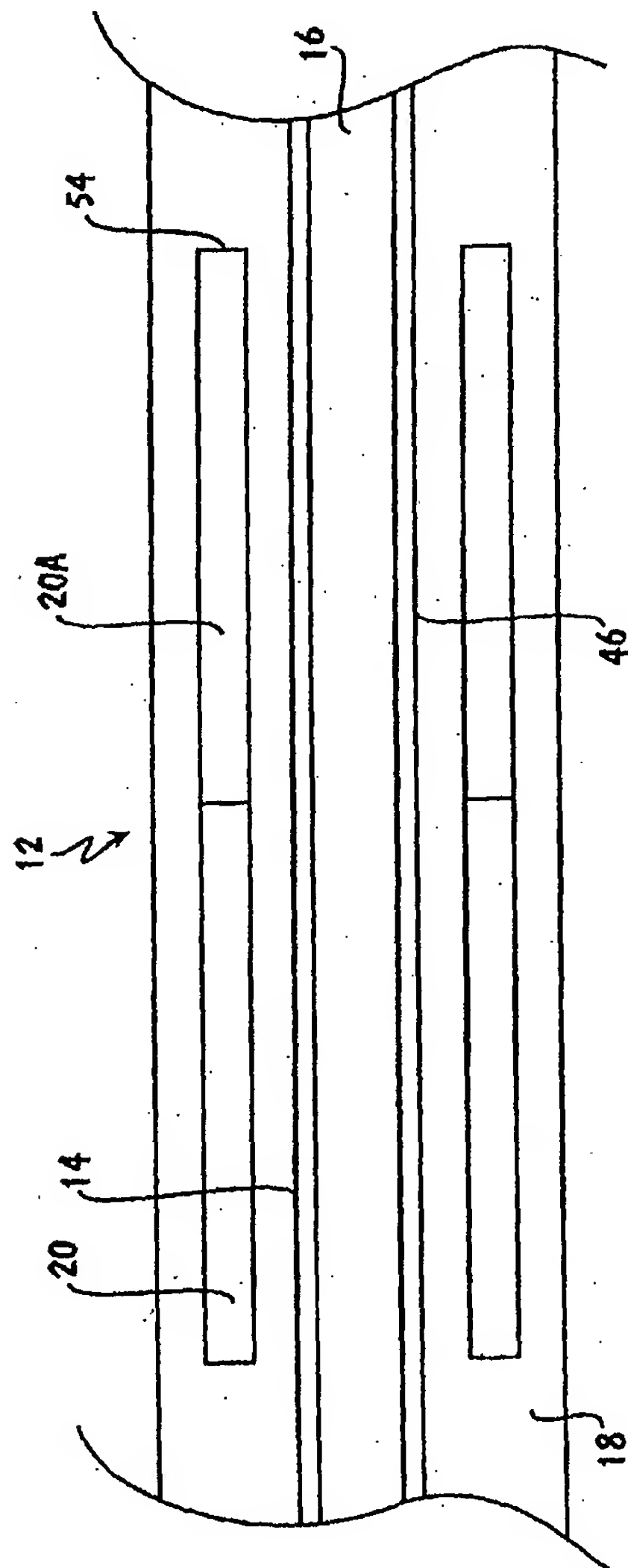


FIG. 11E

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

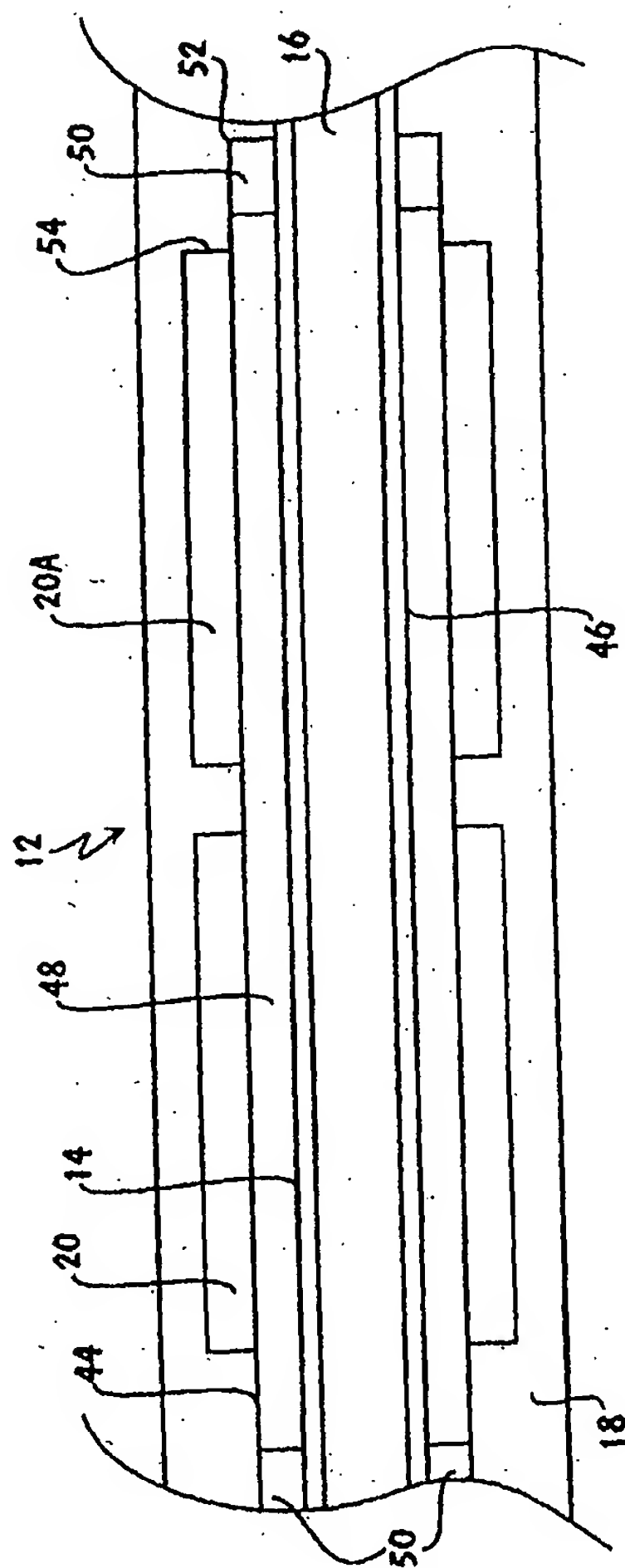


FIG. 11F

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

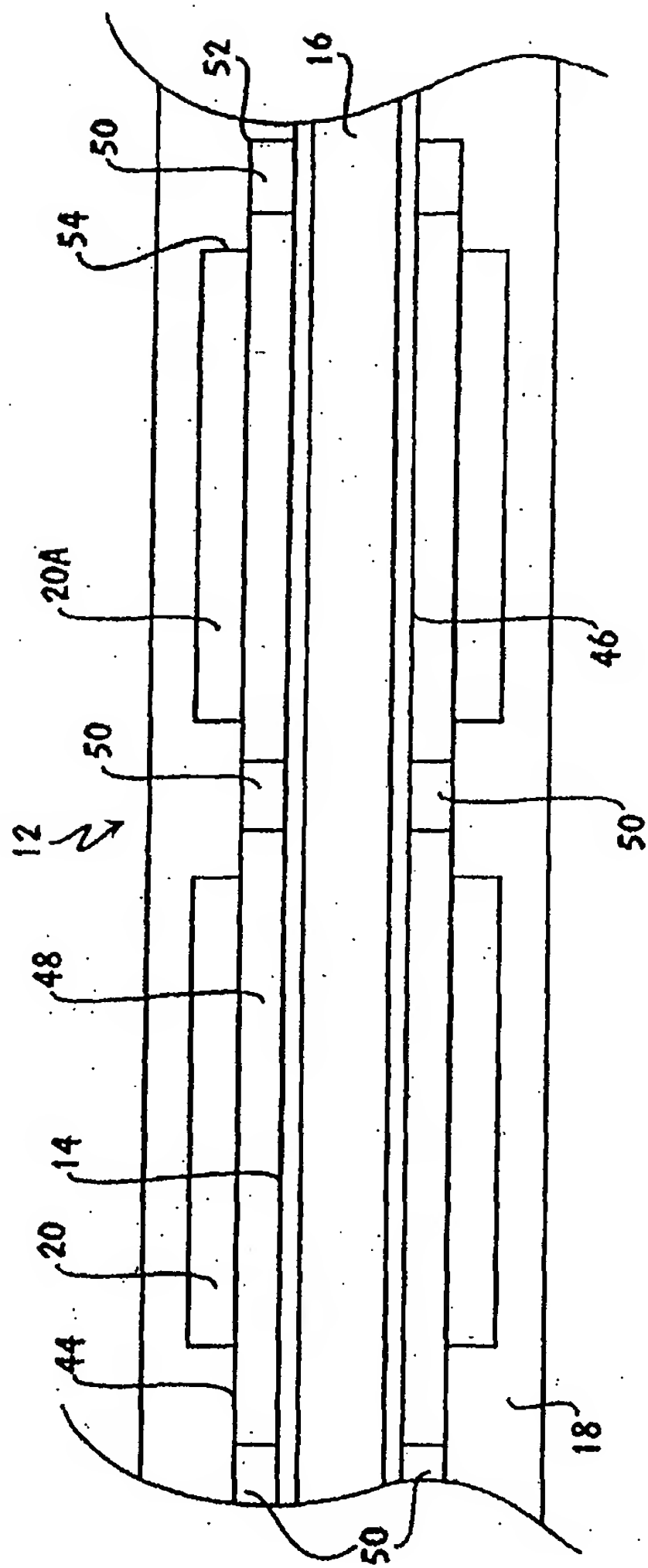


FIG. 11G

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3

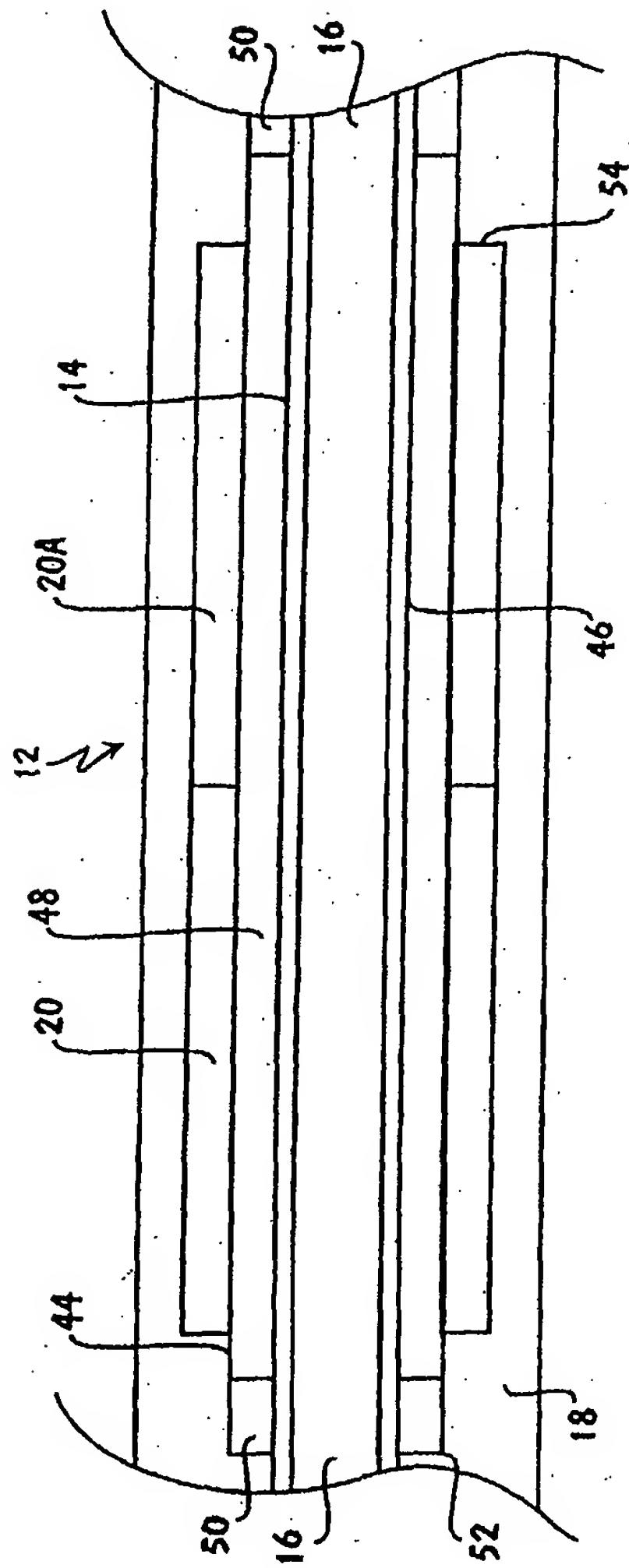


FIG. 11H

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

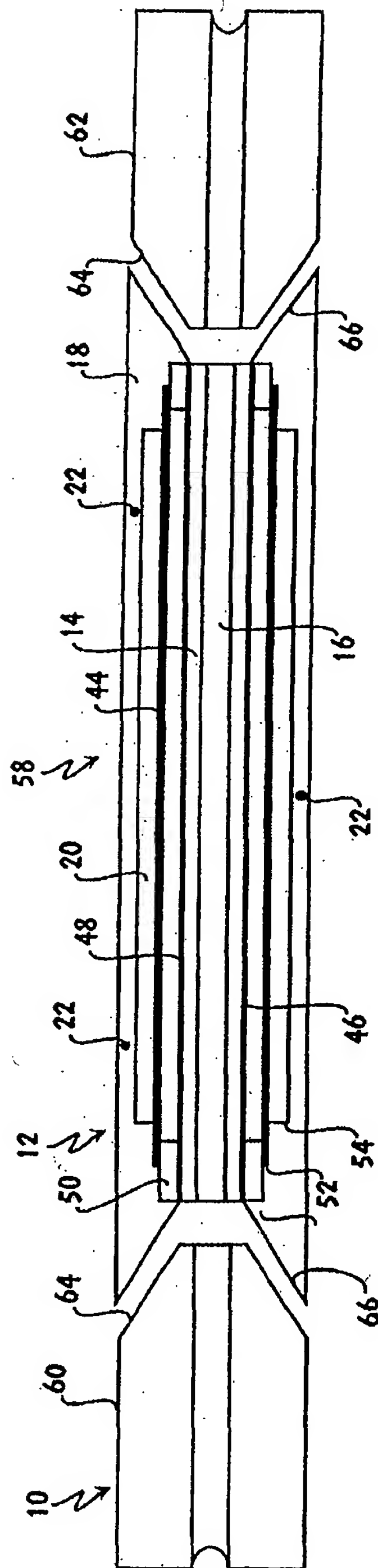


FIG. 12A

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

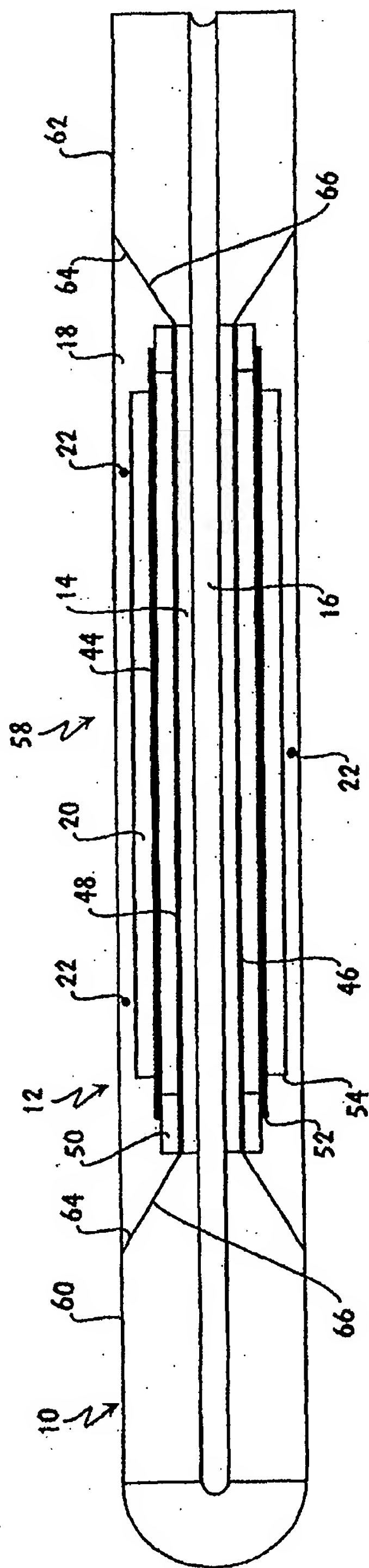


FIG. 12B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

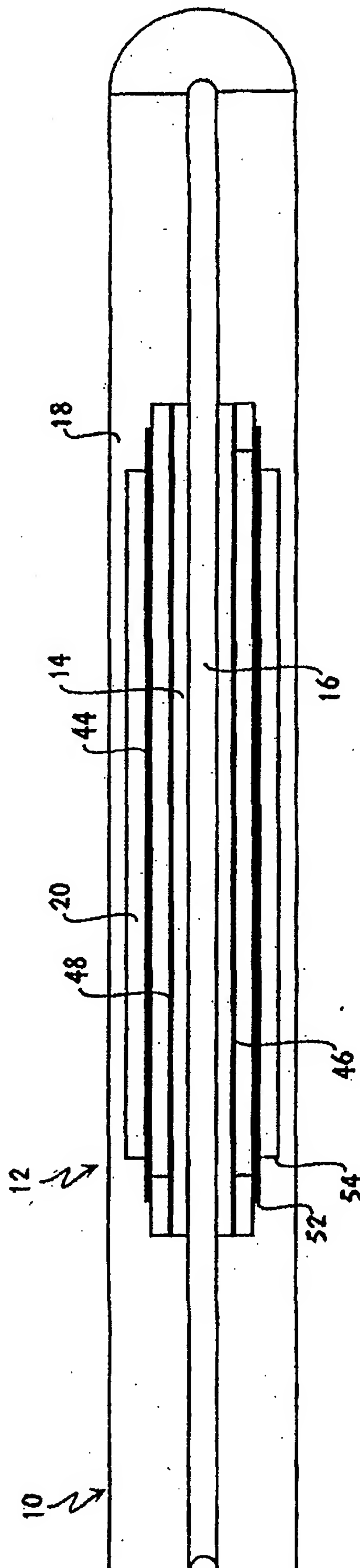


FIG. 12C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

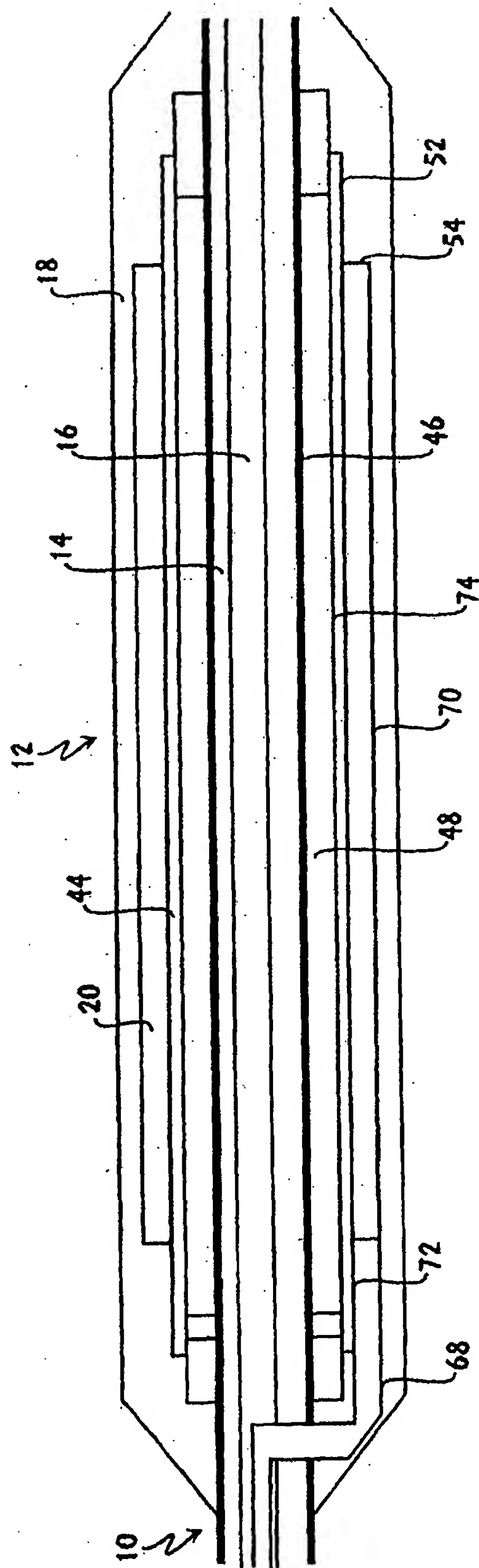


FIG. 13A

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

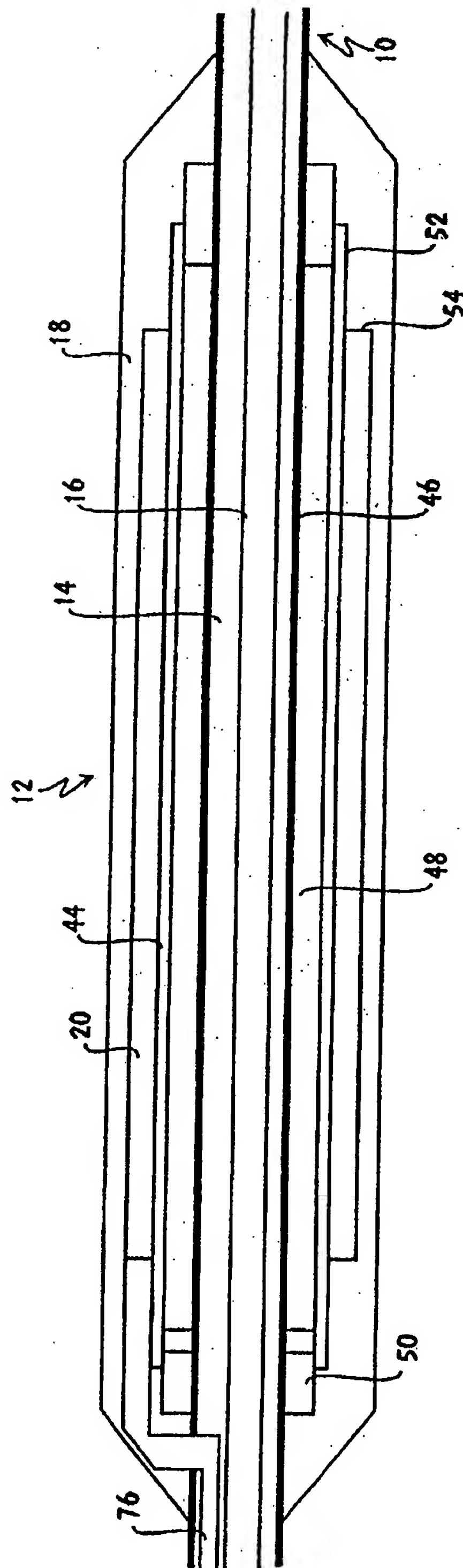
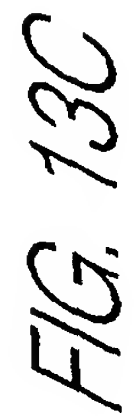


FIG. 13B

Katsuro Tachibana, et al.
Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3

Atty Docket: EKOS.8CP3DV1C3

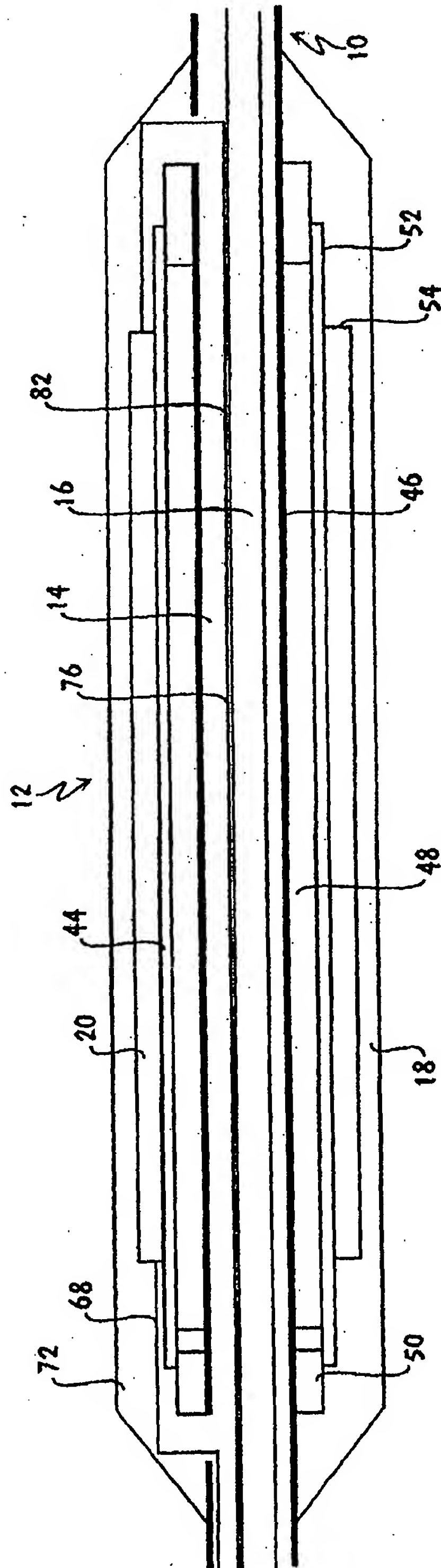


ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

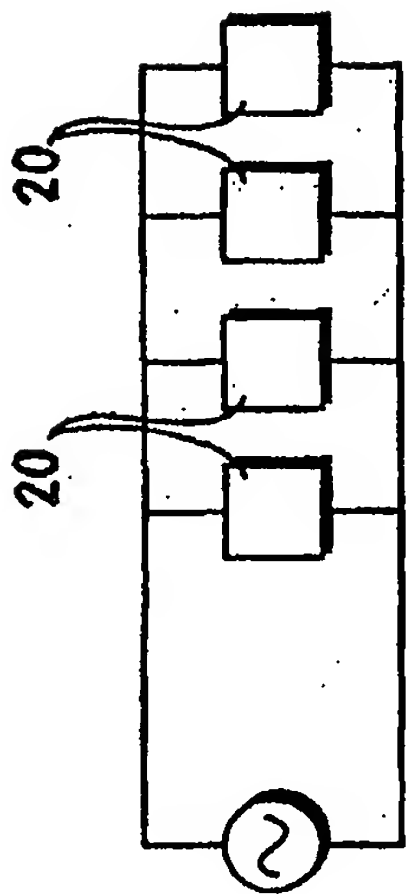


FIG. 14A

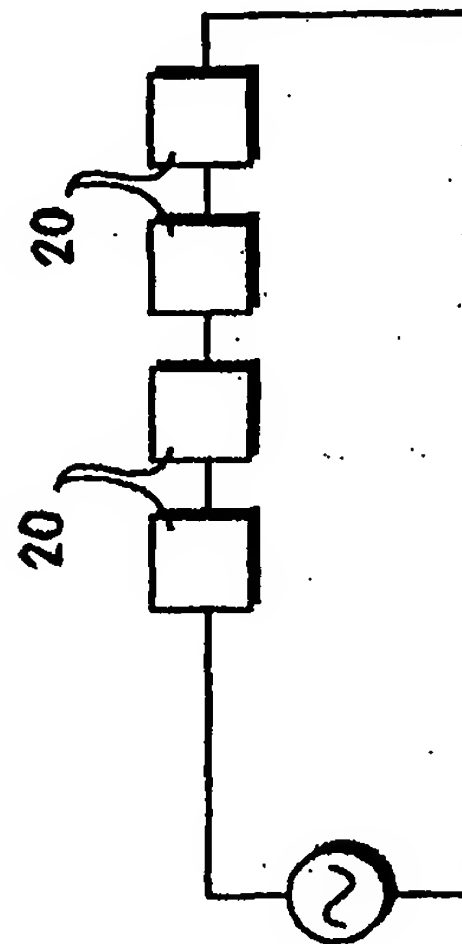


FIG. 14B

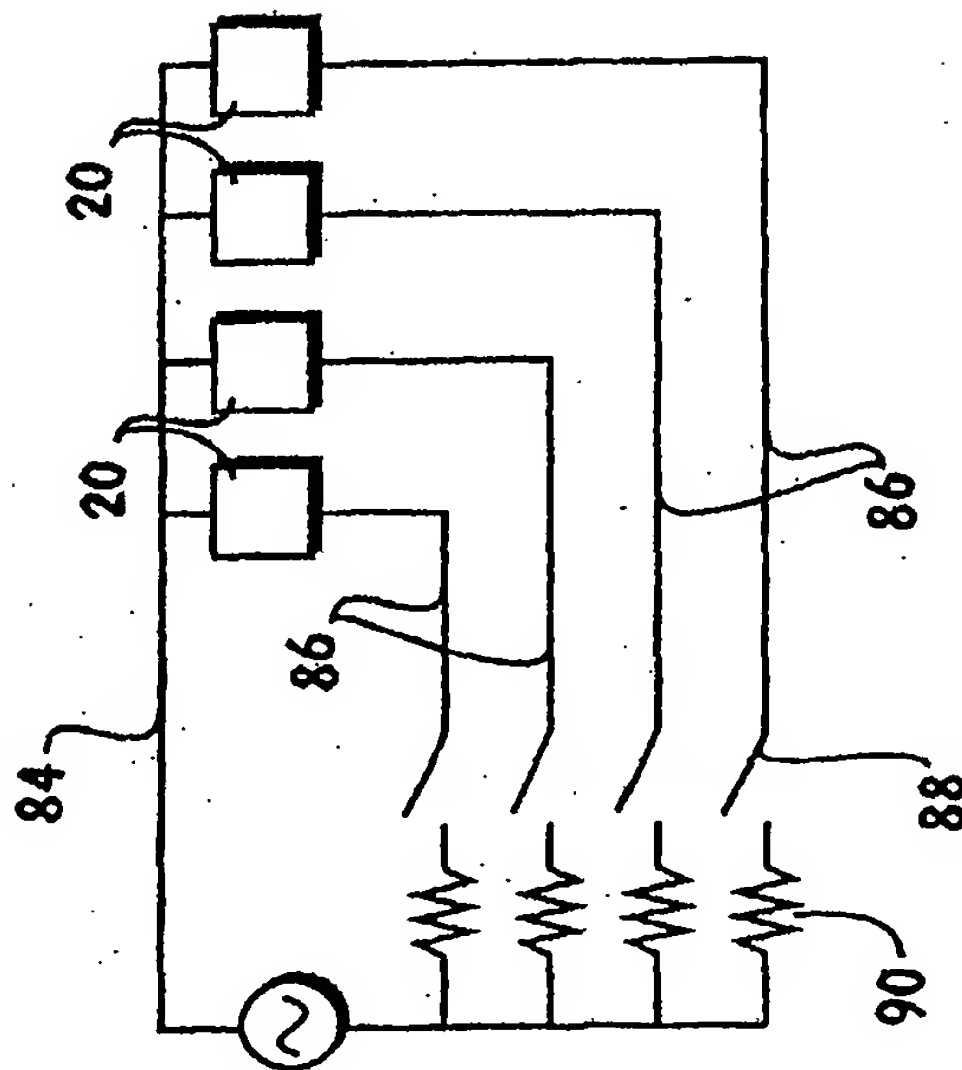


FIG. 14C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3

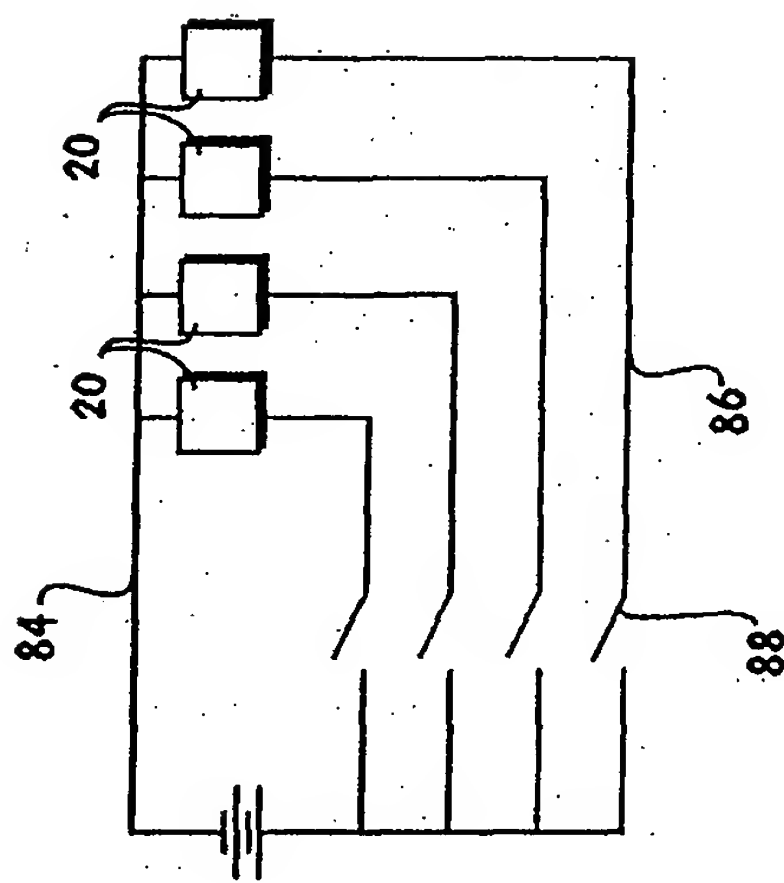


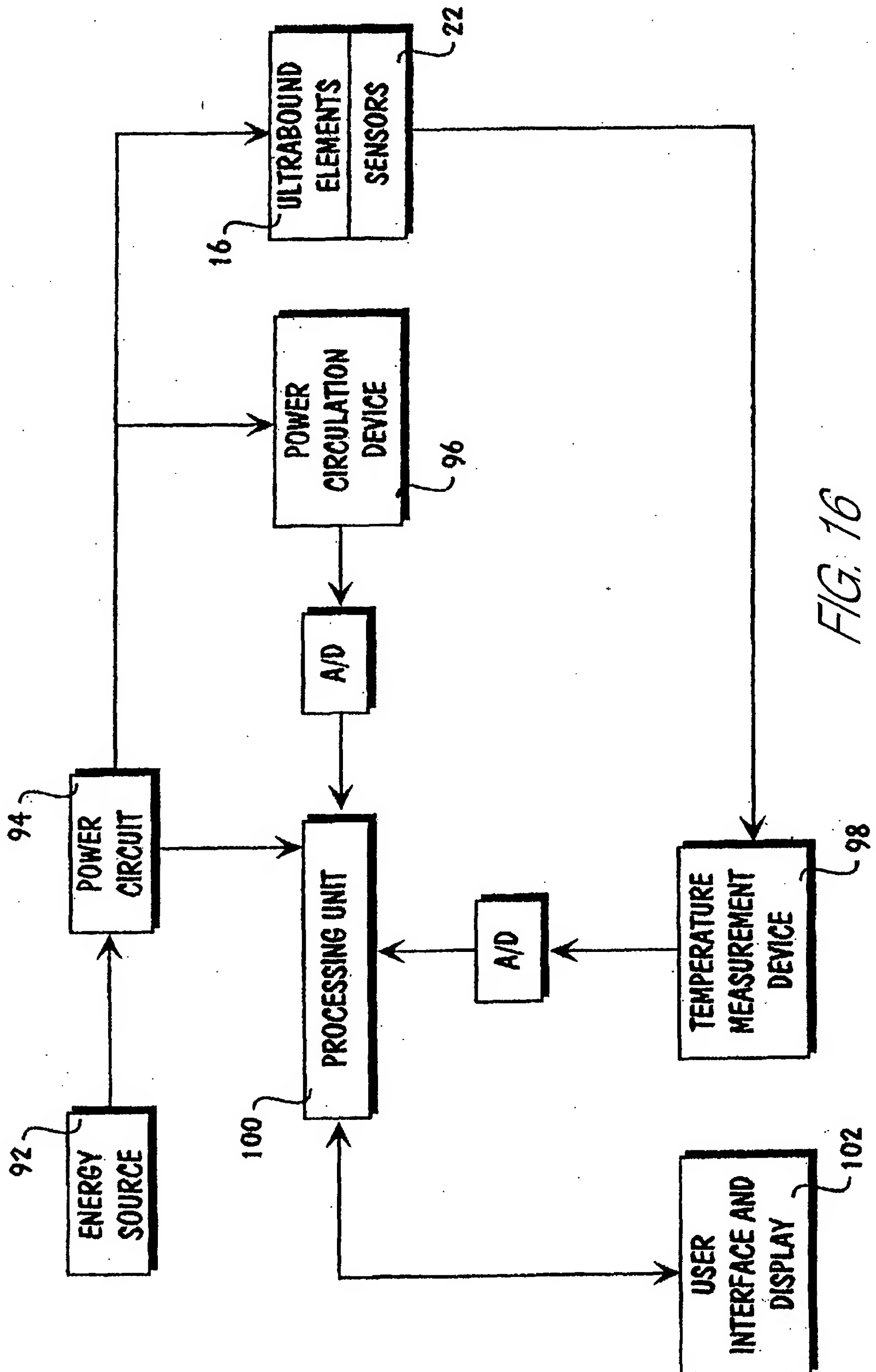
FIG. 15

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3



ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

CHLORINA

NATURALLY OCCURRING:

FIG. 17C

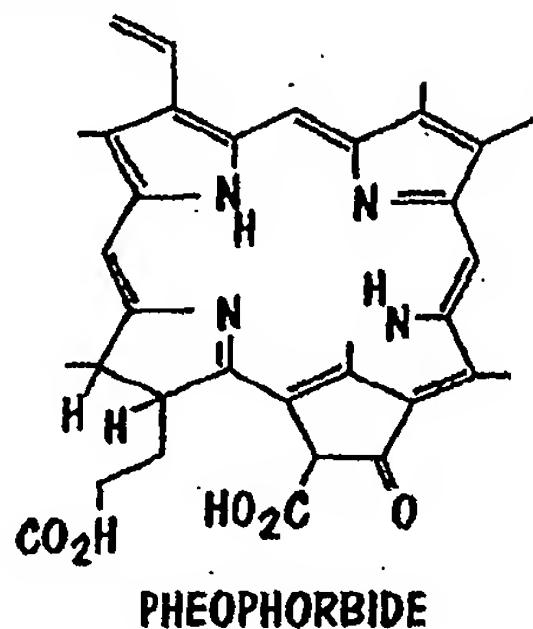
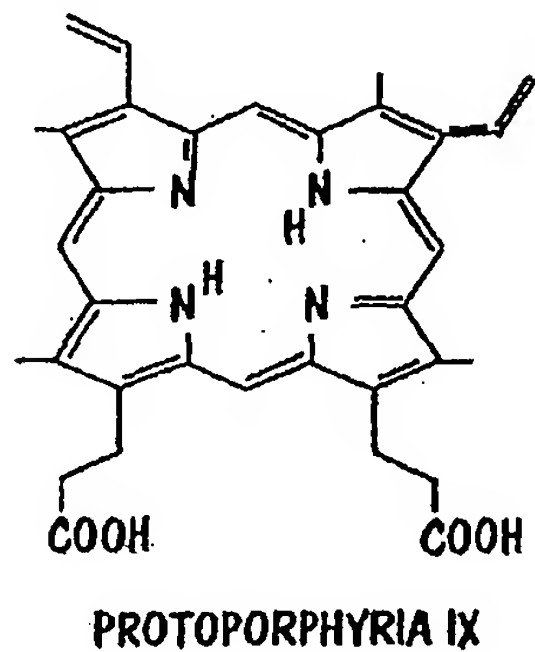


FIG. 17A

PORPHYRINA:

NATURALLY OCCURRING:



SYNTHETIC:

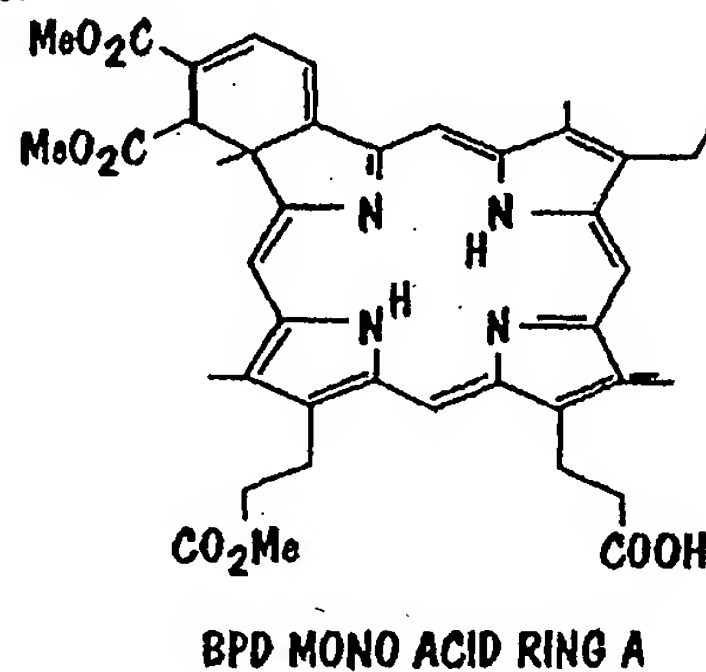


FIG. 17D

SYNTHETIC:

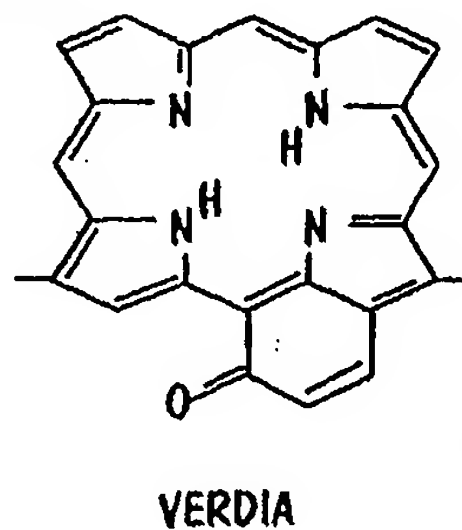


FIG. 17B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

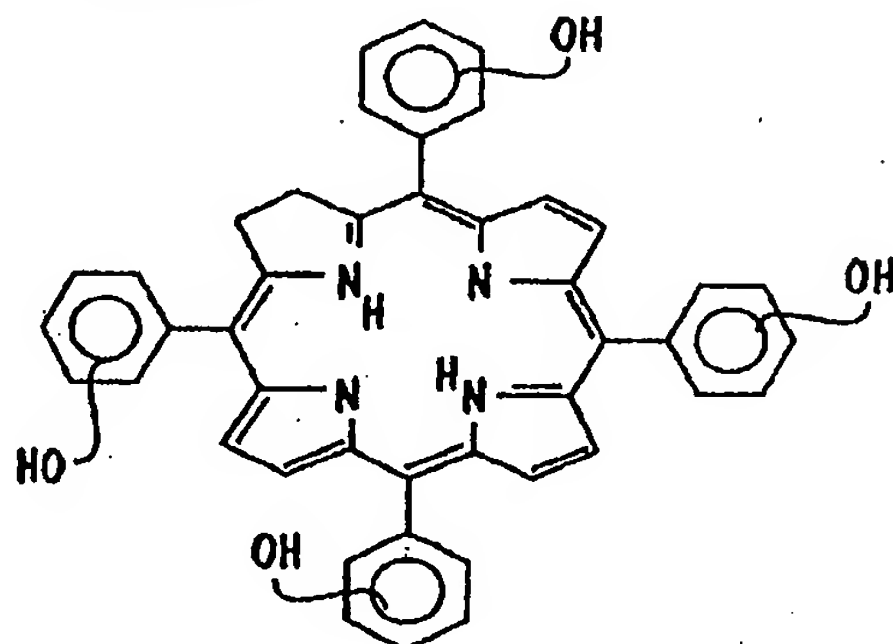
Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

FIG. 17E

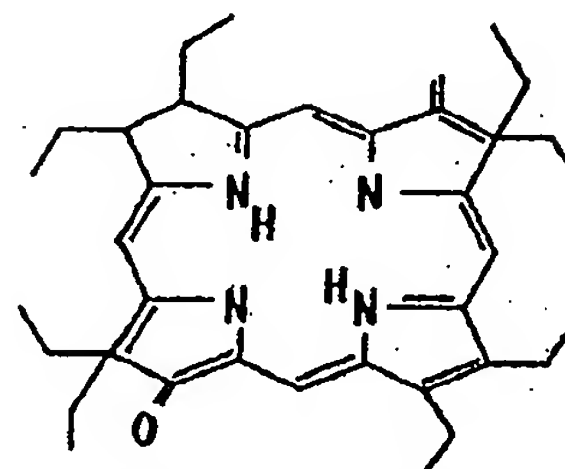
SYNTHETIC:



MESO-TETRA (HYDROXYPHENYL)
CHLORIN

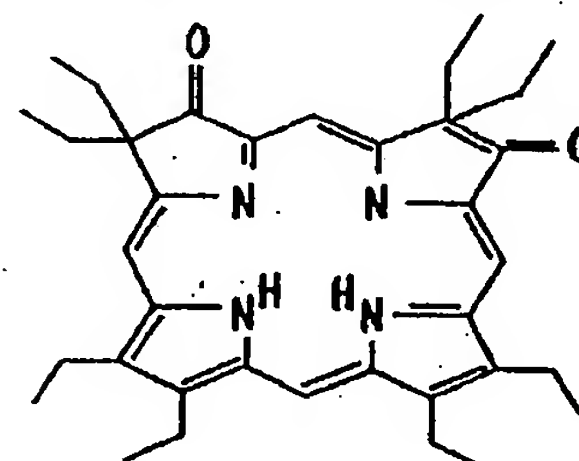
FIG. 17H

SYNTHETIC:



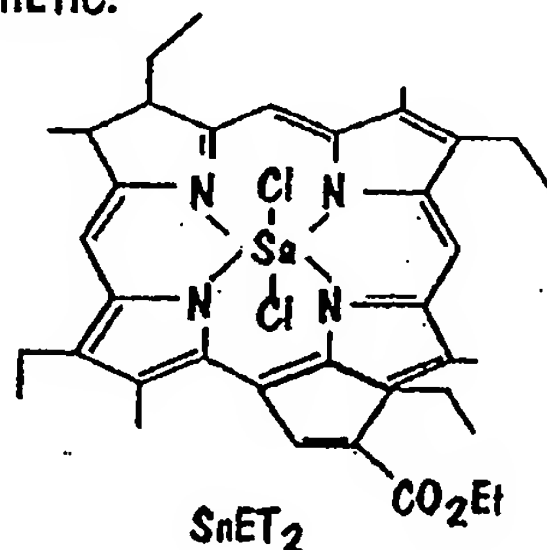
OCTAETHYLDIOXOBACTERIOCHLORIN

SYNTHETIC ISOBACTERIOCHLORIN:



OCTAETHYLDIOXOBACTERIOCHLORIN

SYNTHETIC:



SnEt₂

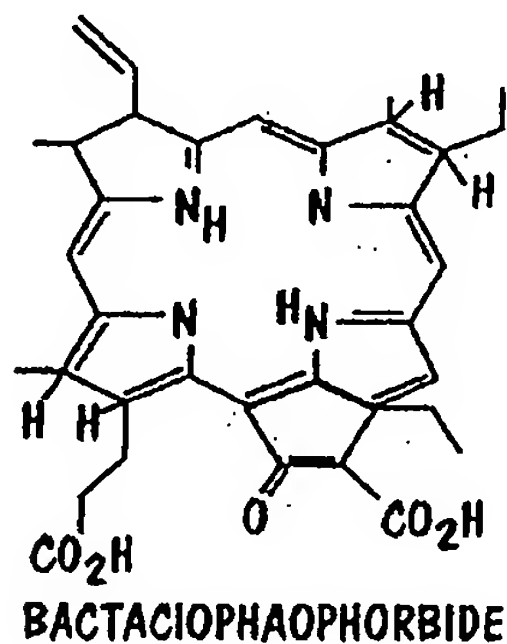
CO₂Et

FIG. 17I

BACTERIACHLORINA:

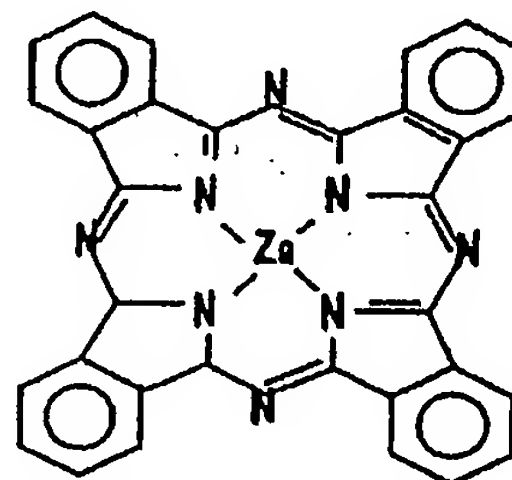
NATURALLY OCCURRING:

FIG. 17G



BACTACIOPHAOPHORBIDE

PHTHALOCYARINEA:



ZINC PHTHALOCYANINE

FIG. 17J

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown Atty Docket: EKOS.8CP3DV1C3

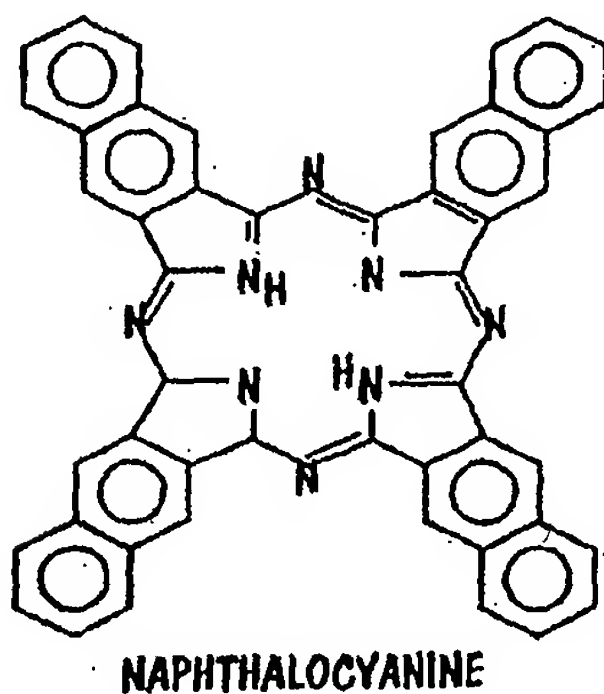


FIG. 17K

PORPHYCENES:

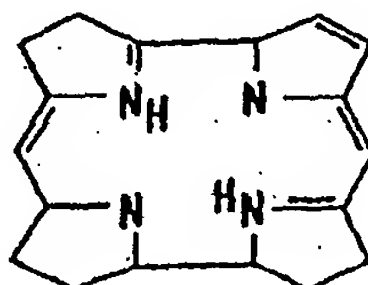


FIG. 17L

SAPPHYRINS:

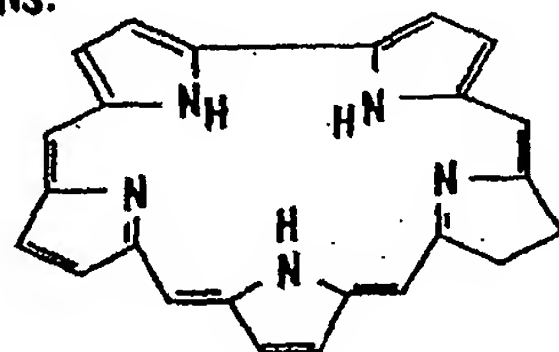


FIG. 17M

TEXAPHYRIAS:

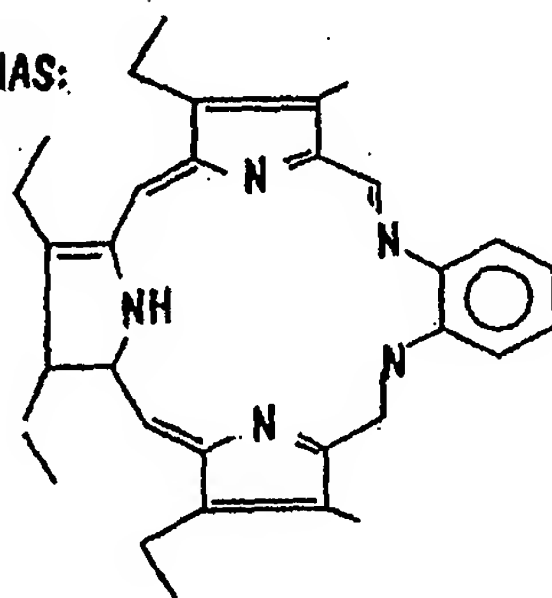


FIG. 17N

*ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS*

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

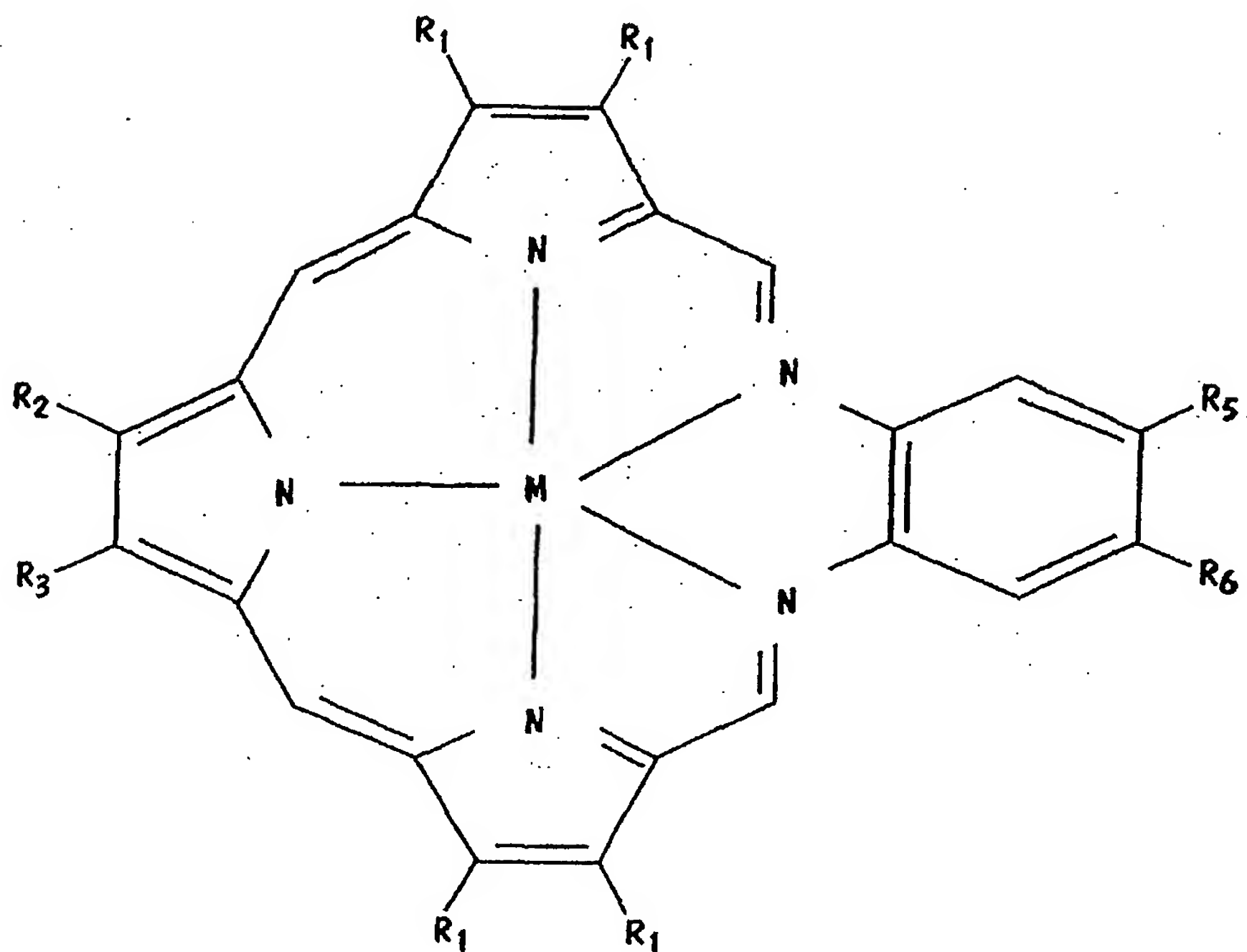


FIG. 17B-2

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
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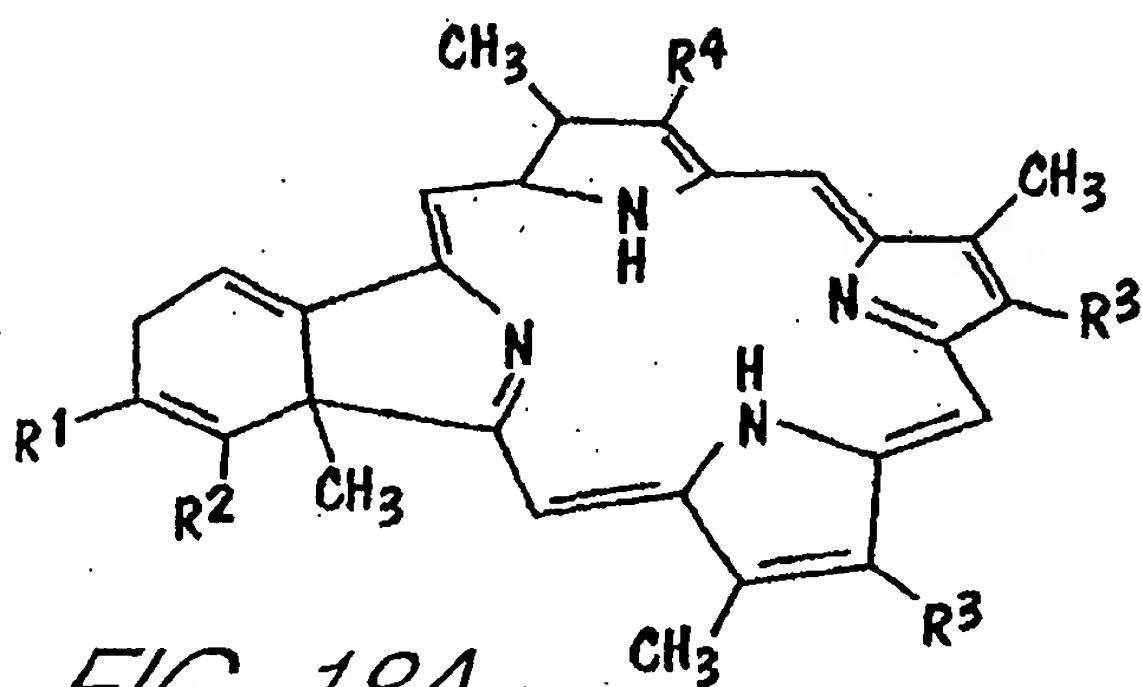


FIG. 18A

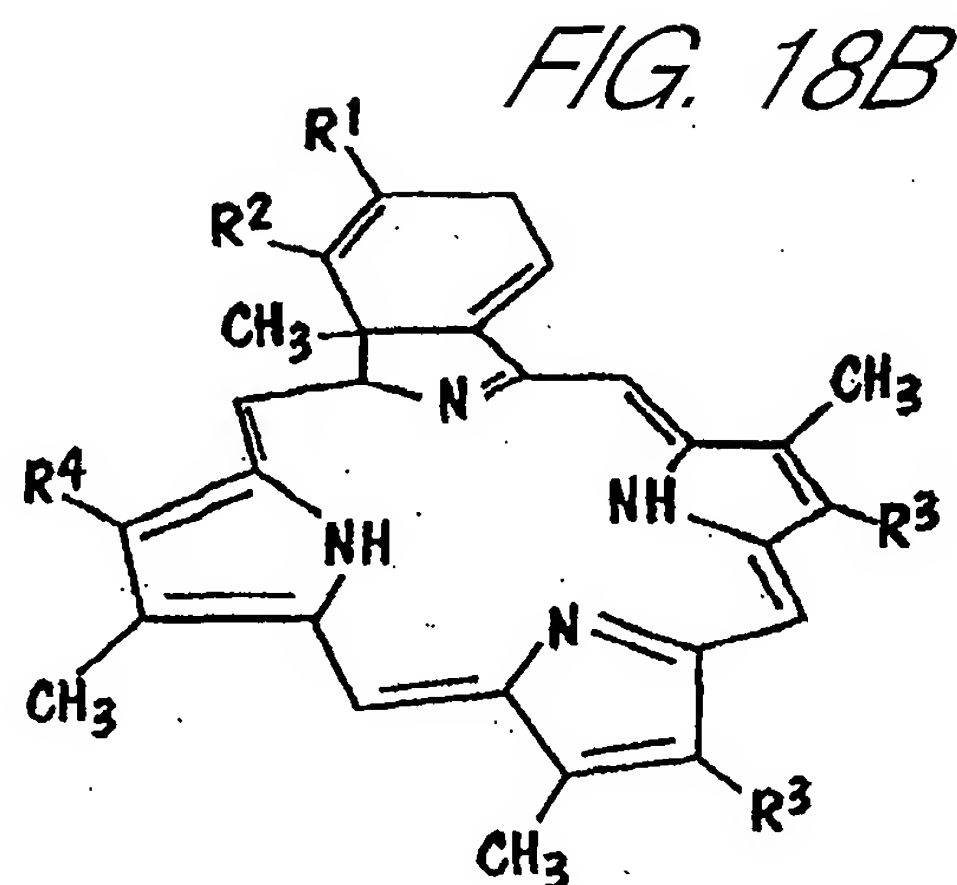


FIG. 18B

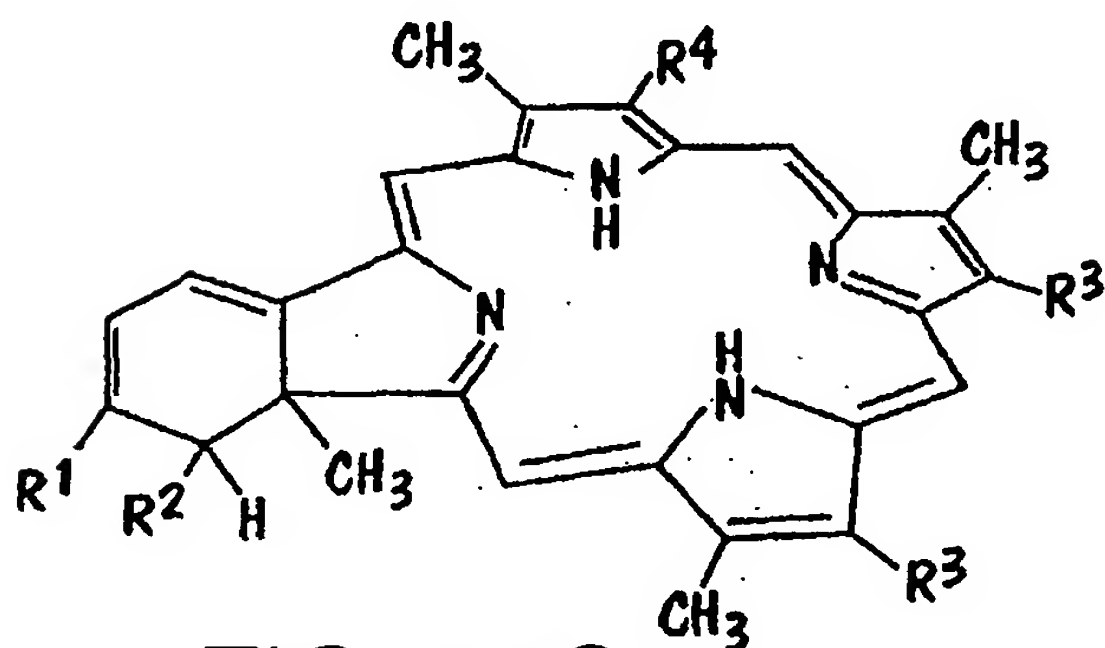


FIG. 18C

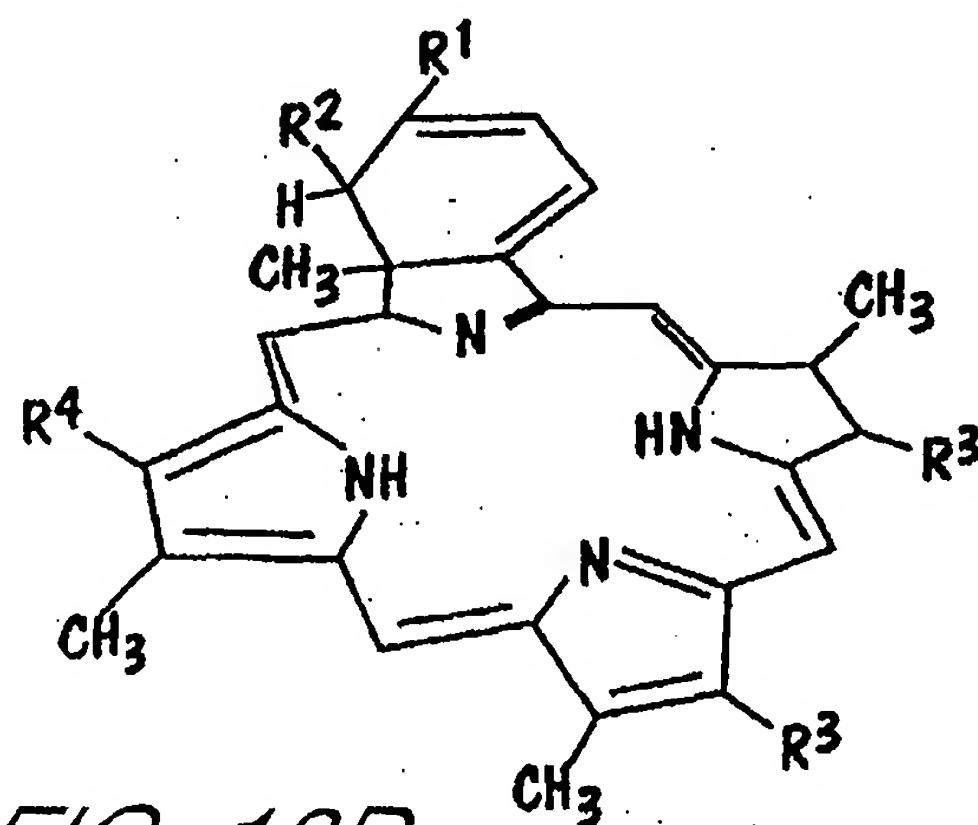


FIG. 18D

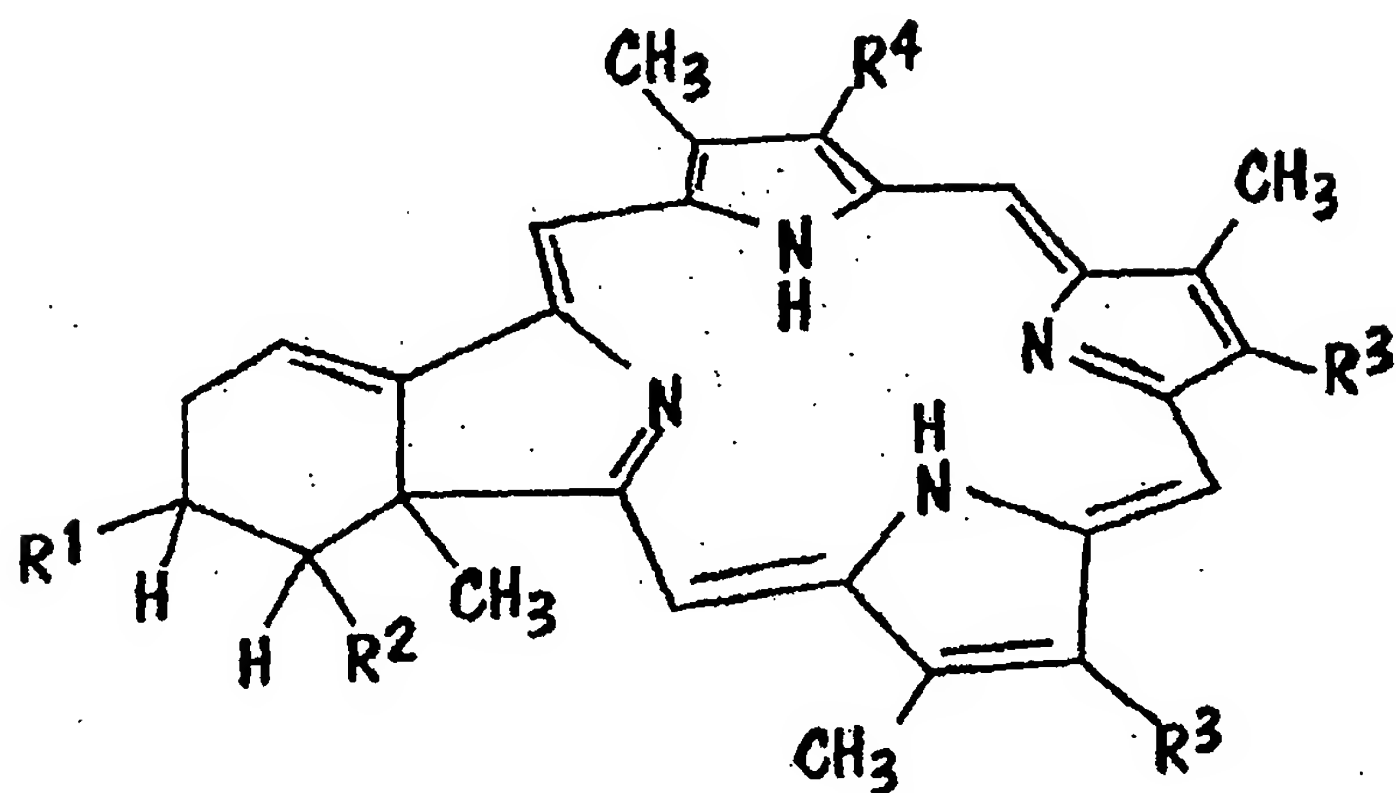
ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

FIG. 18E



OR

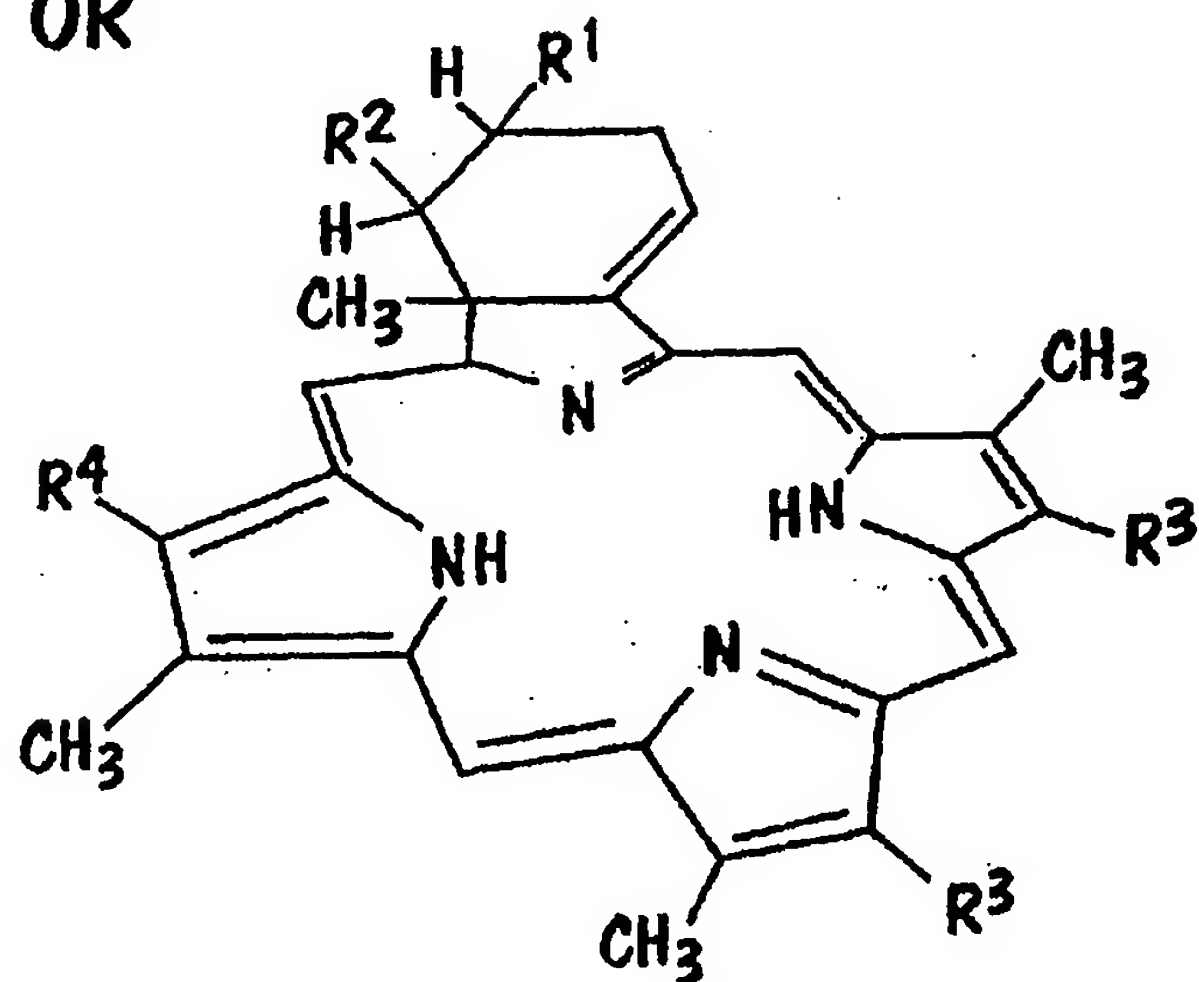


FIG. 18F

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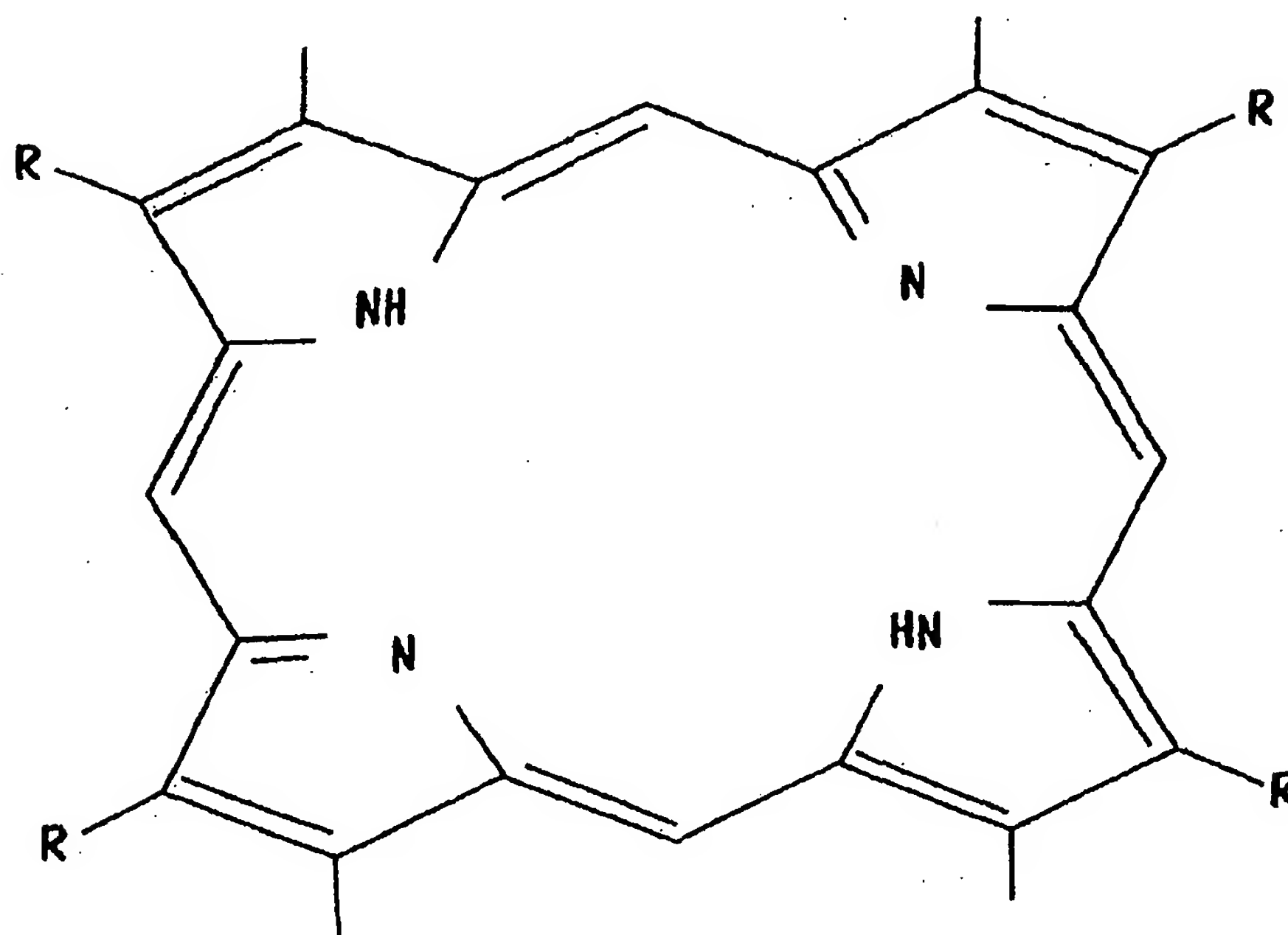


FIG. 19

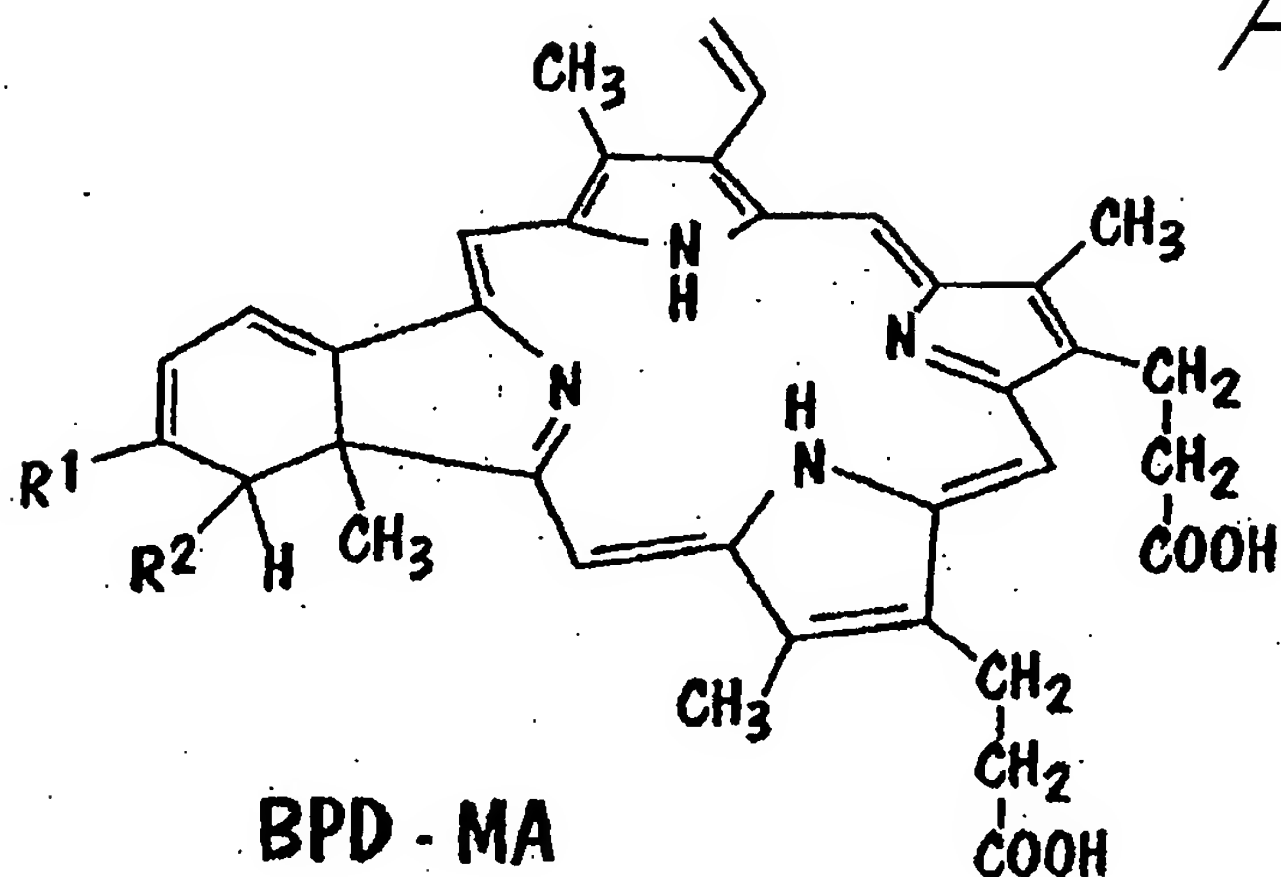
ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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FIG. 20A



AND

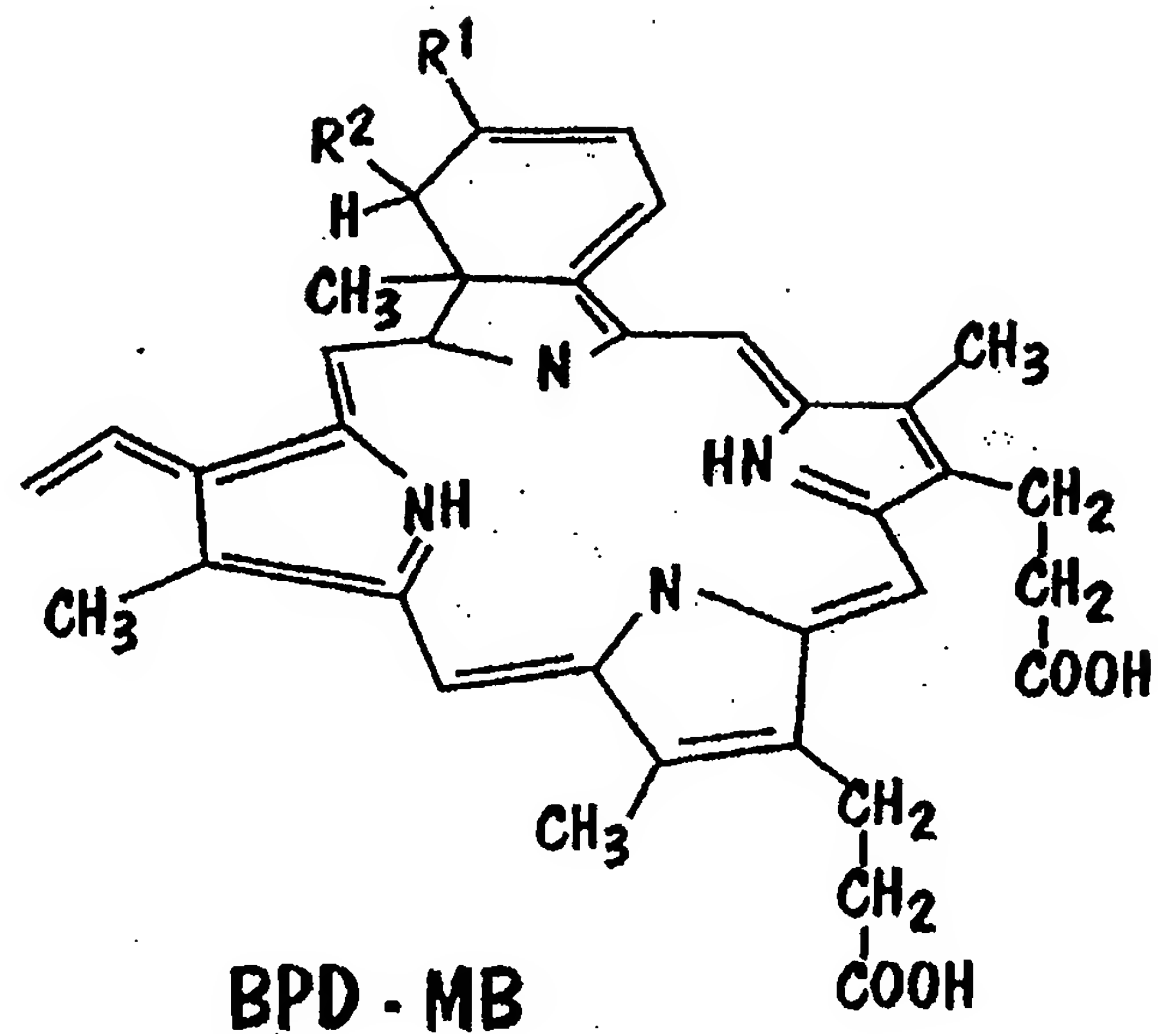


FIG. 20B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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FIG. 20C

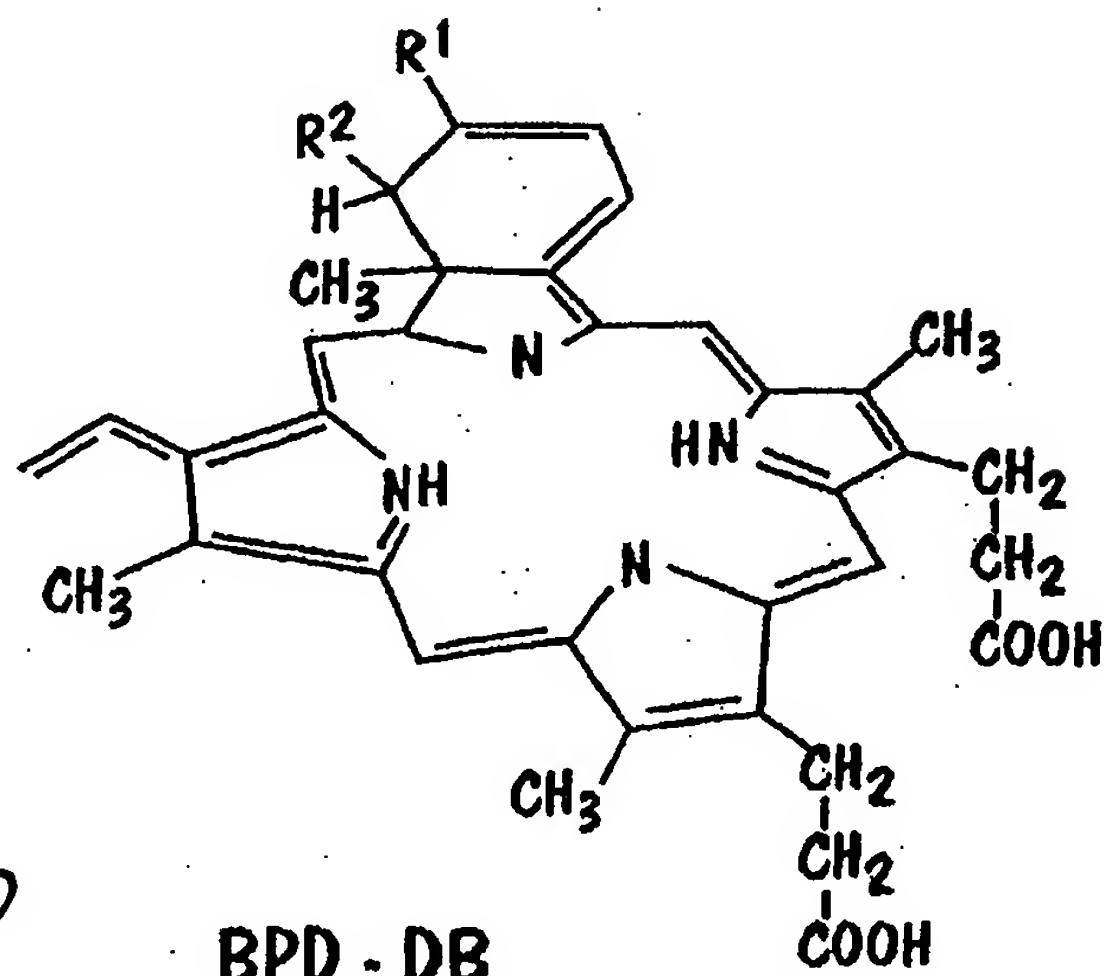
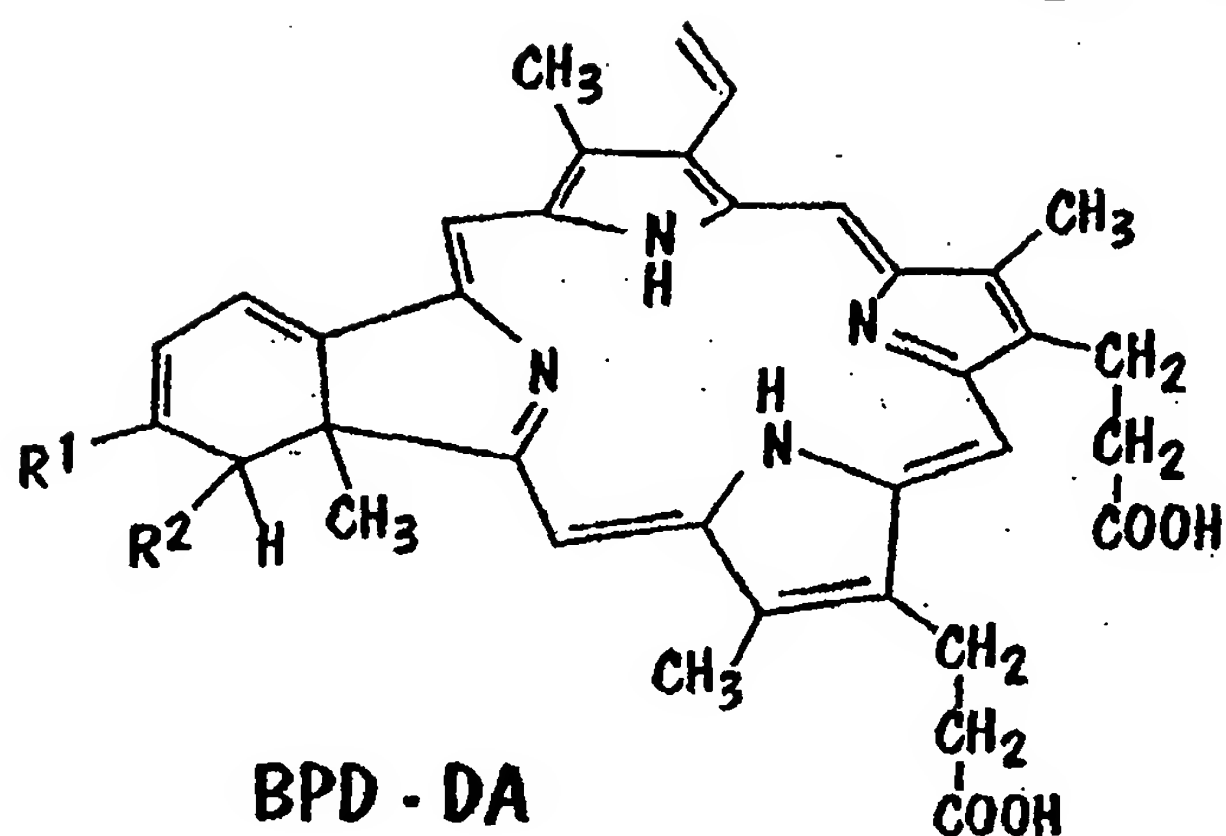


FIG. 20D

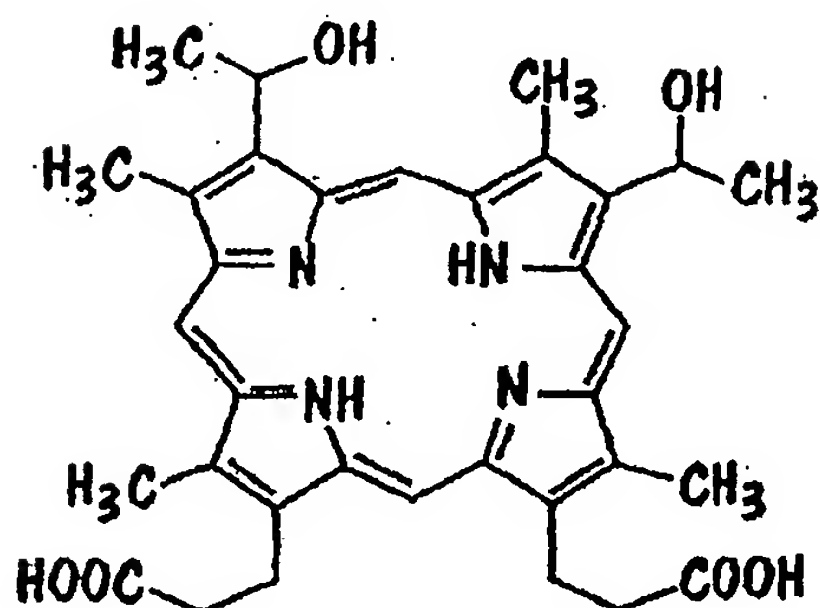
ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

Katsuro Tachibana, et al.

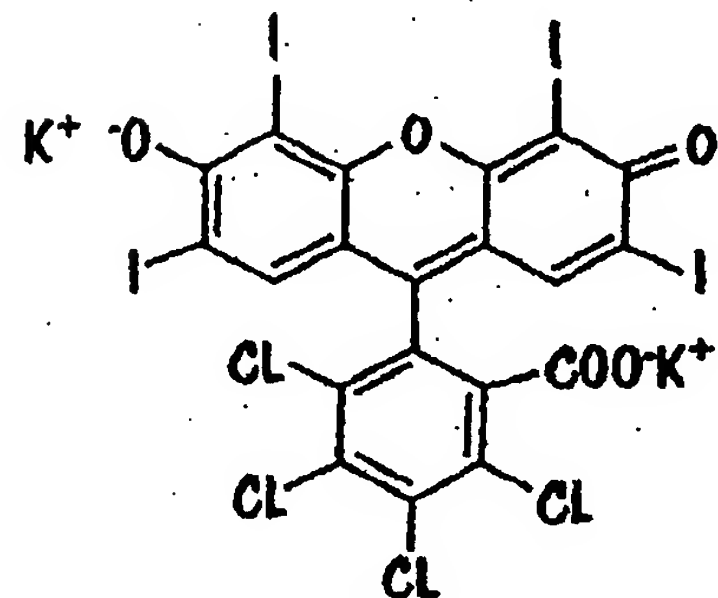
Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

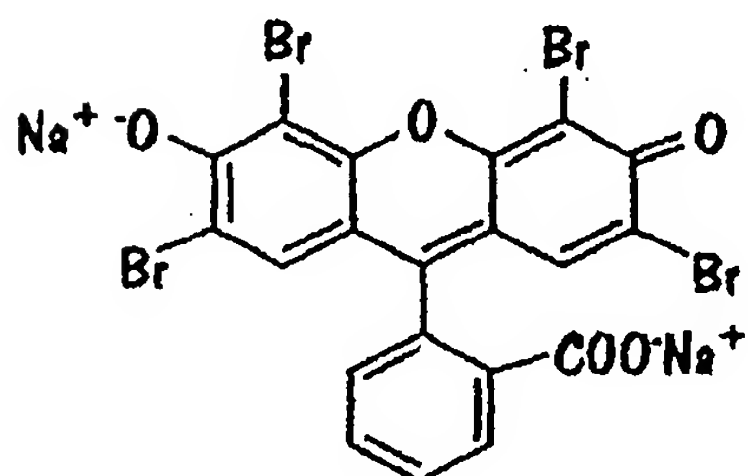
HEMATOPORPHYRIN
[FORMULA A]



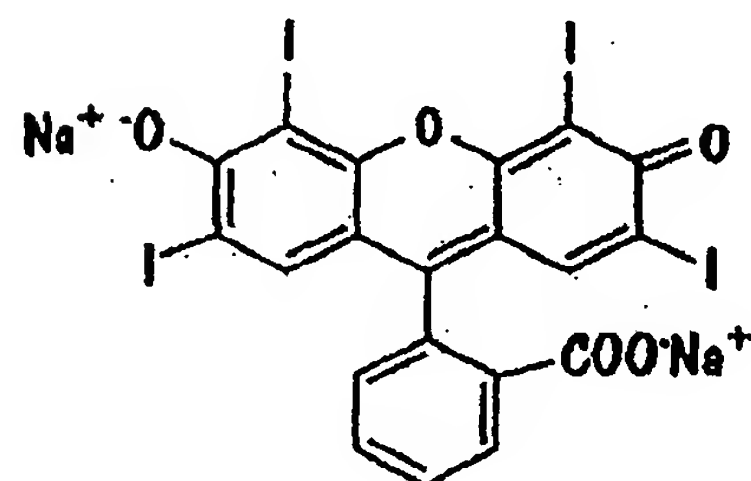
ROSE BENGAL
[FORMULA B]



EROSIN Y
[FORMULA C]



ERYTHROCIN
[FORMULA D]



RHODAMINE B
[FORMULA E]

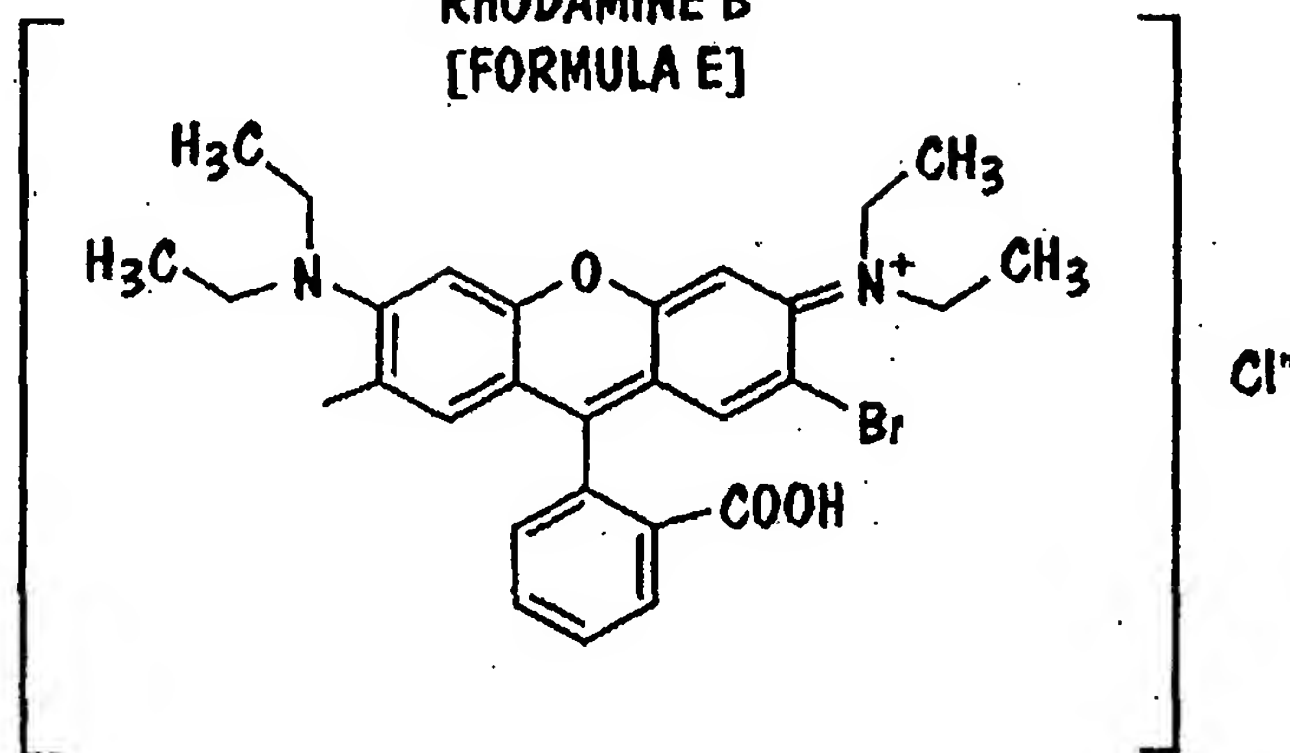


FIG. 21A

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
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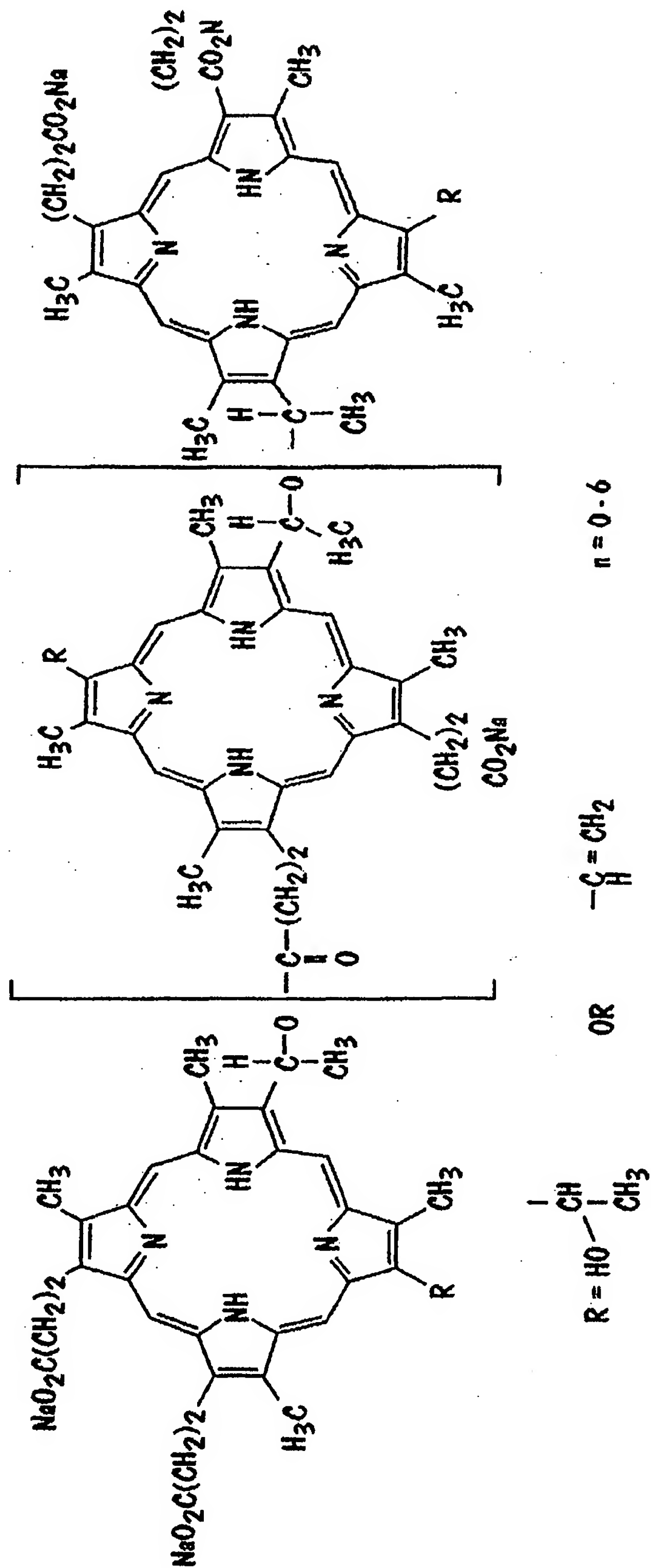


FIG. 21B

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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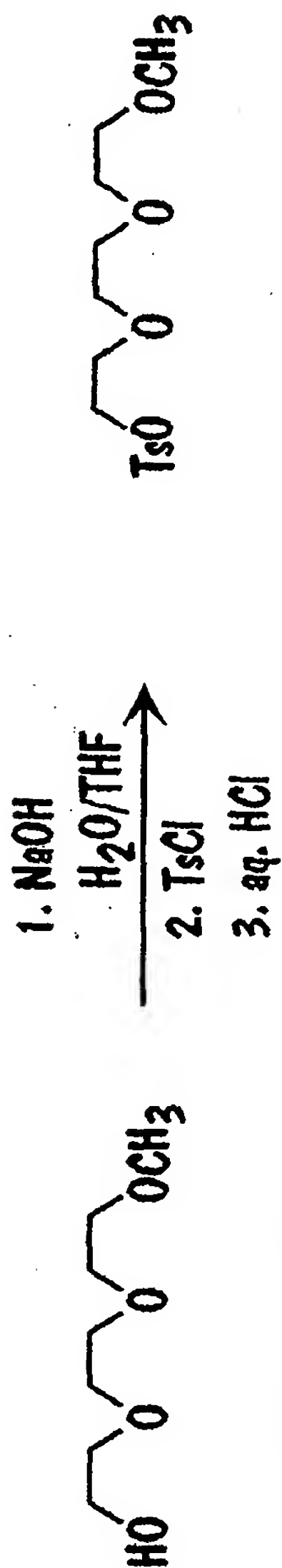


FIG. 22A

FIG. 22B

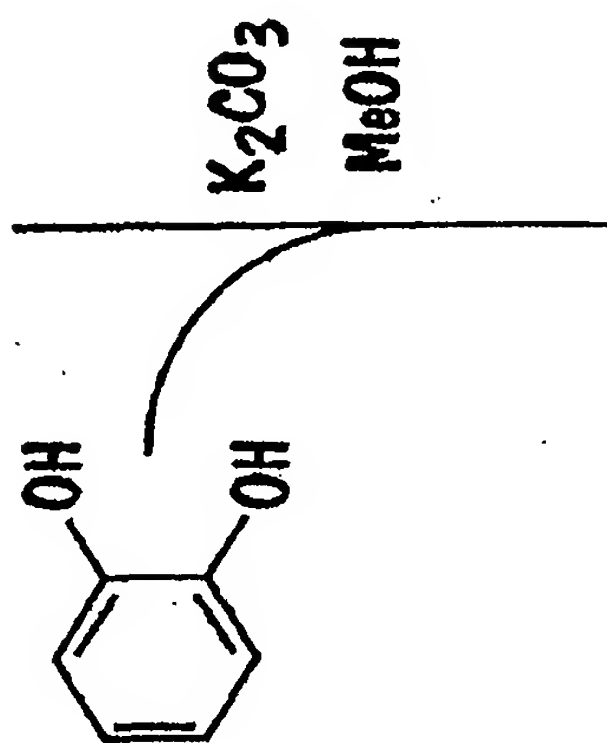


FIG. 22C

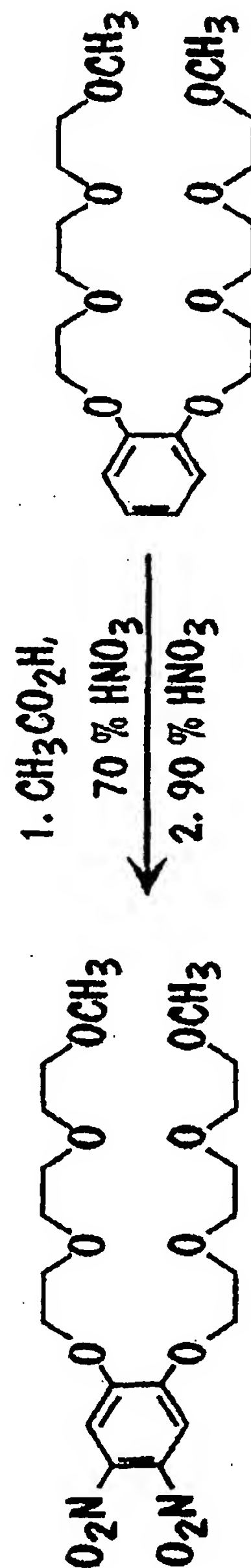


FIG. 22E

FIG. 22D

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
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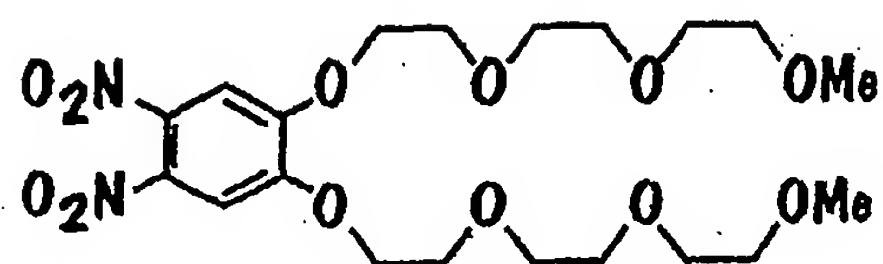


FIG. 22E

HYDRAZINE HYDRATE,
10% Pd/C, EtOH

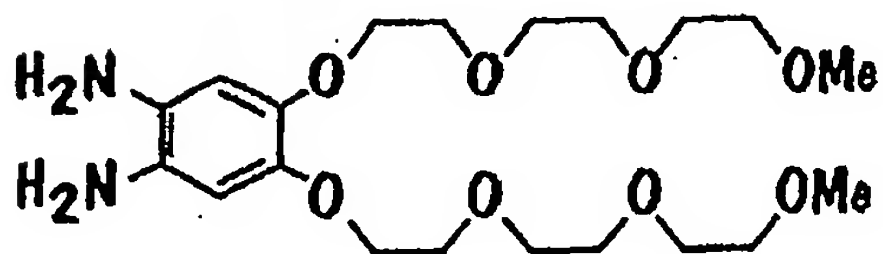


FIG. 22F

+

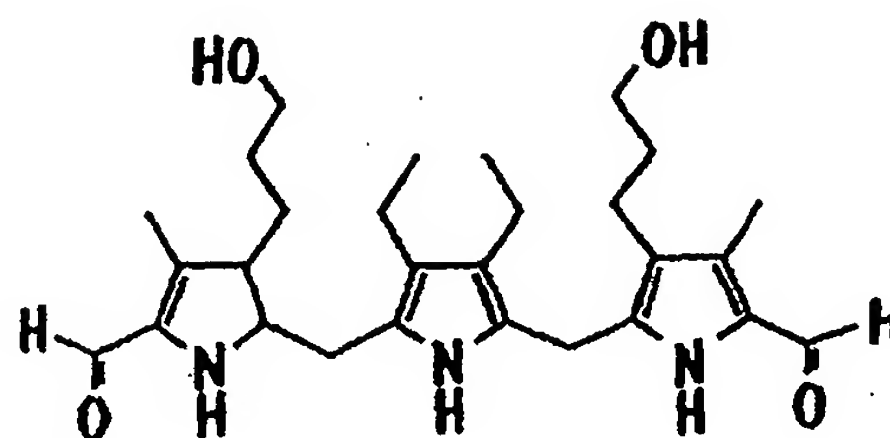


FIG. 22G

1.2 eq 12M HCl,
MeOH

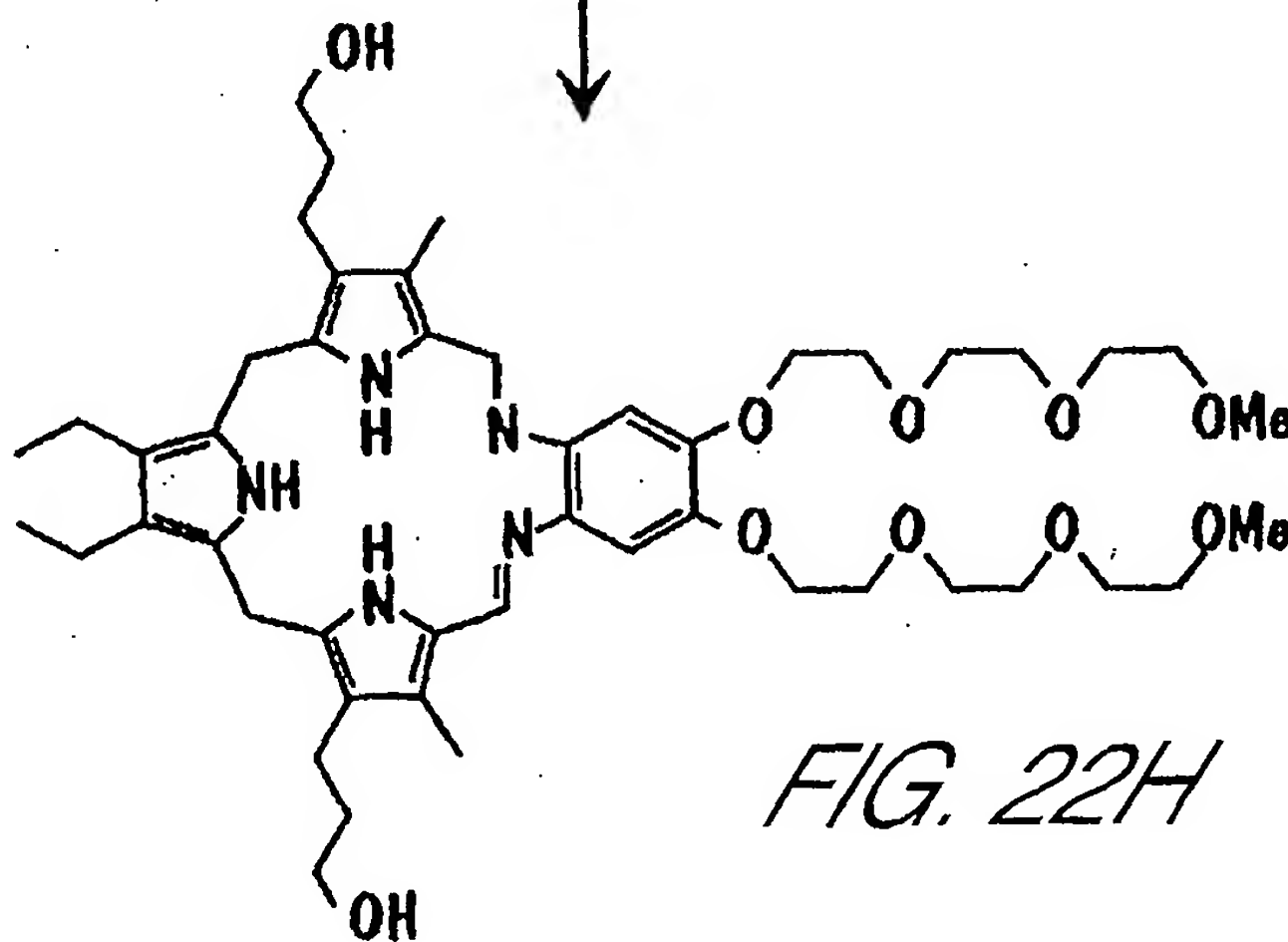


FIG. 22H

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Atty Docket: EKOS.8CP3DV1C3

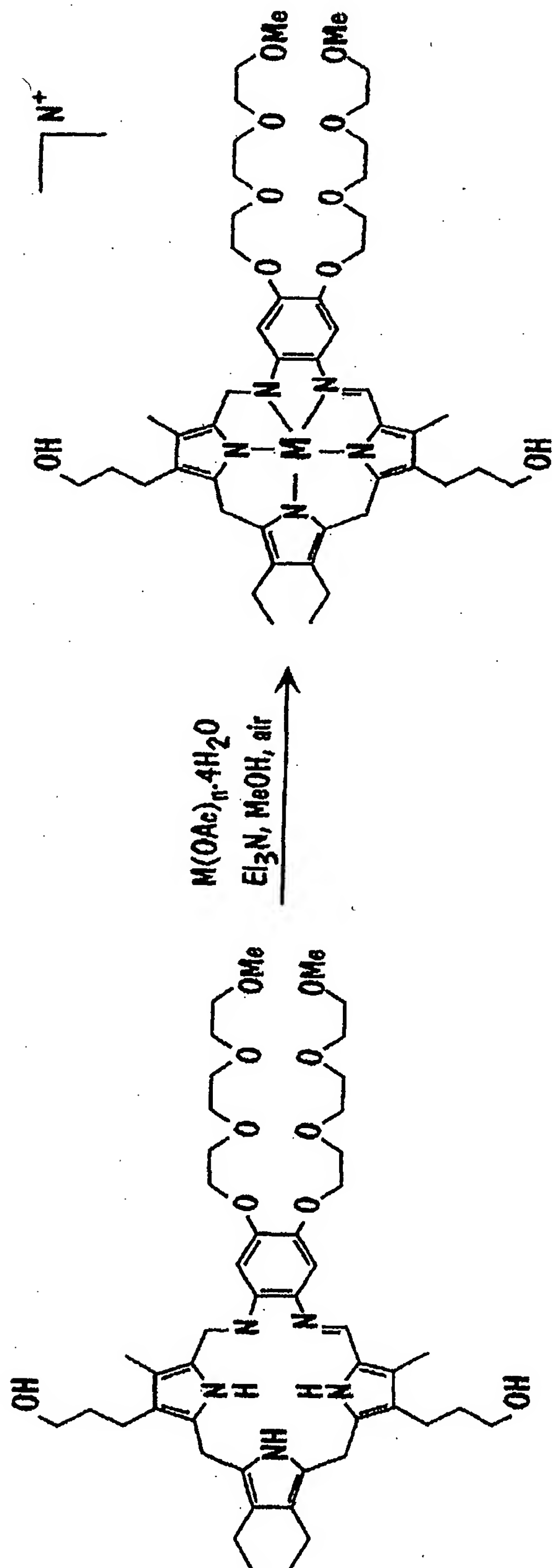


FIG. 22I

FIG. 22H

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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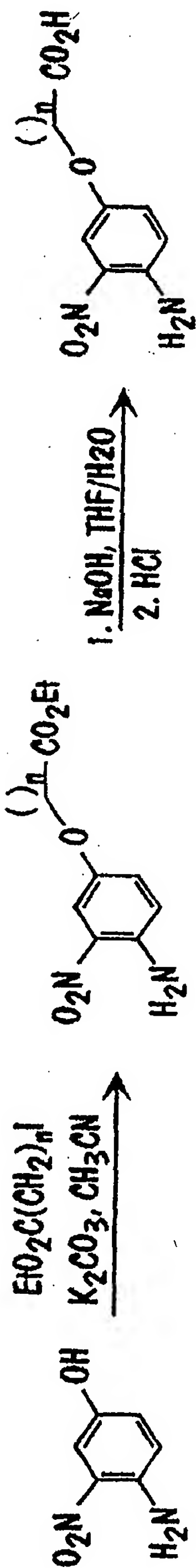


FIG. 23C

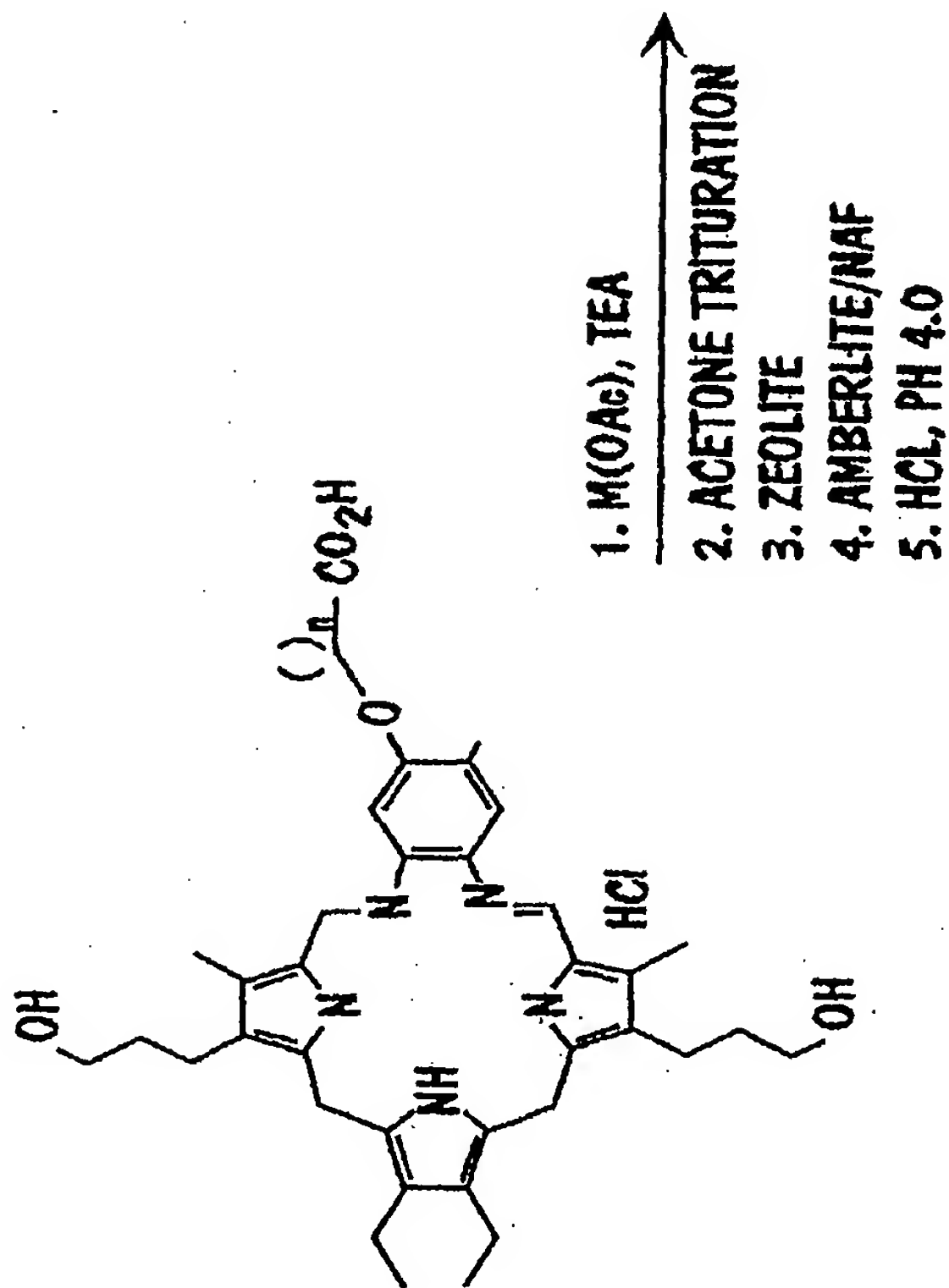


FIG. 23E

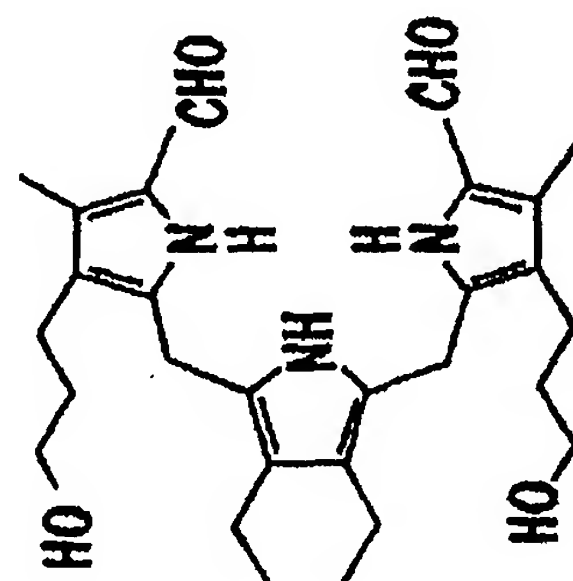
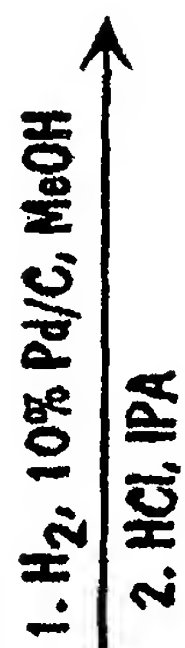


FIG. 23D

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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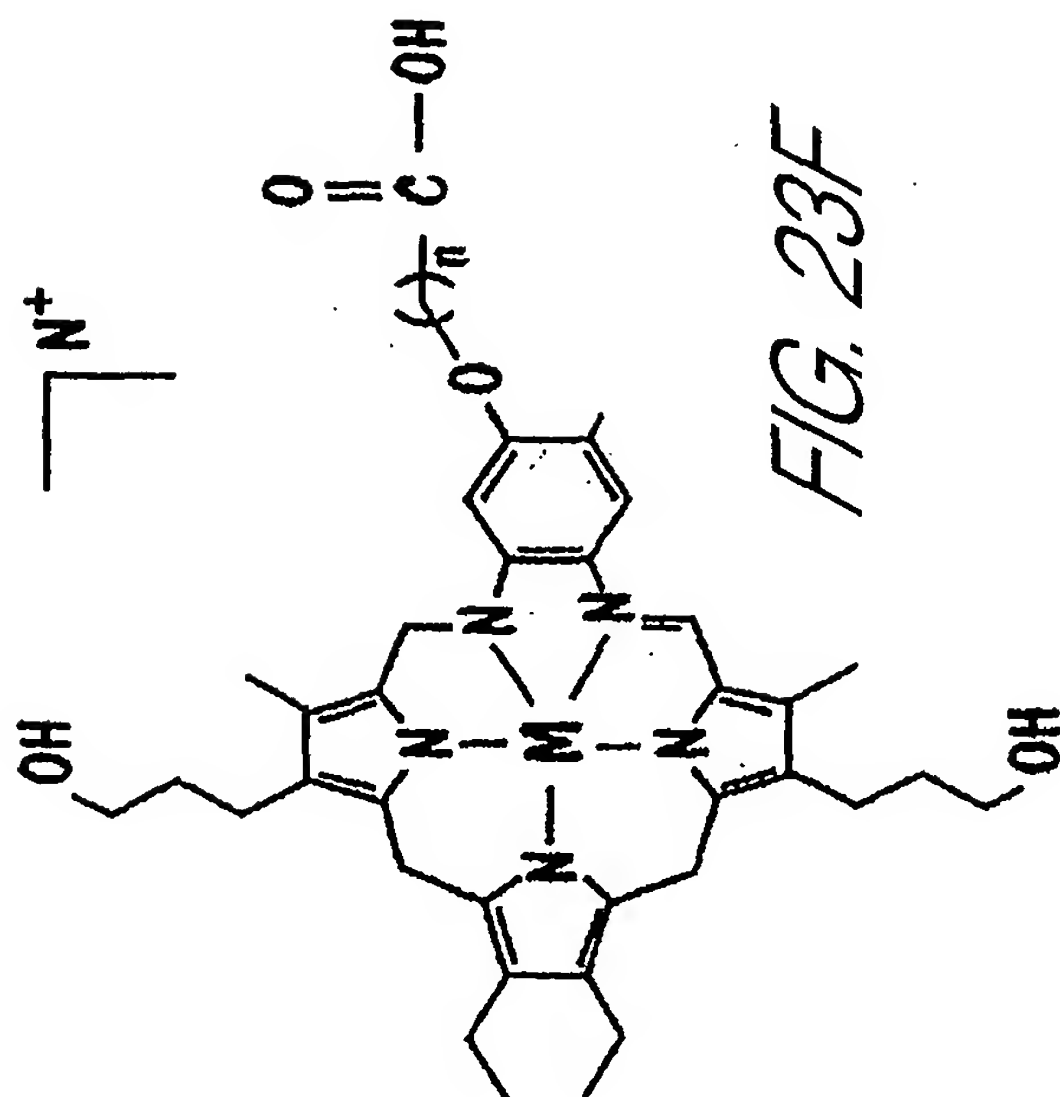


FIG. 23F

1. NHS, DCC, DMF

2. $5' \cdot NH_2 \cdot (CH_2)_6 \cdot PO_4 \cdot CTC \cdot GGC \cdot CAT \cdot AGC \cdot GAA \cdot TGT \cdot TC-3$

(0.4 M $NaHCO_3$, pH 8.6) SEQ. ID. NO. 1

FIG. 23G

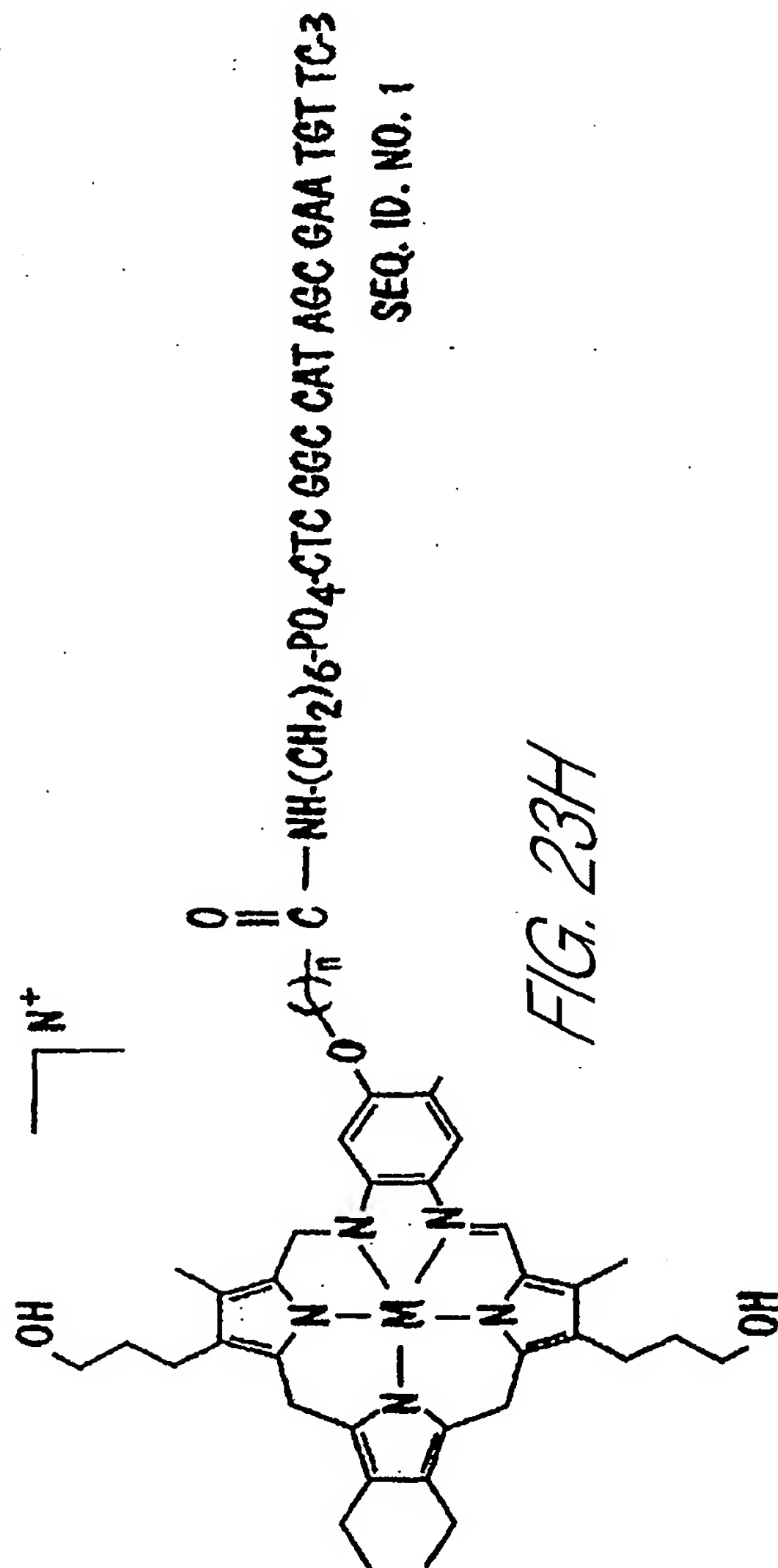


FIG. 23H

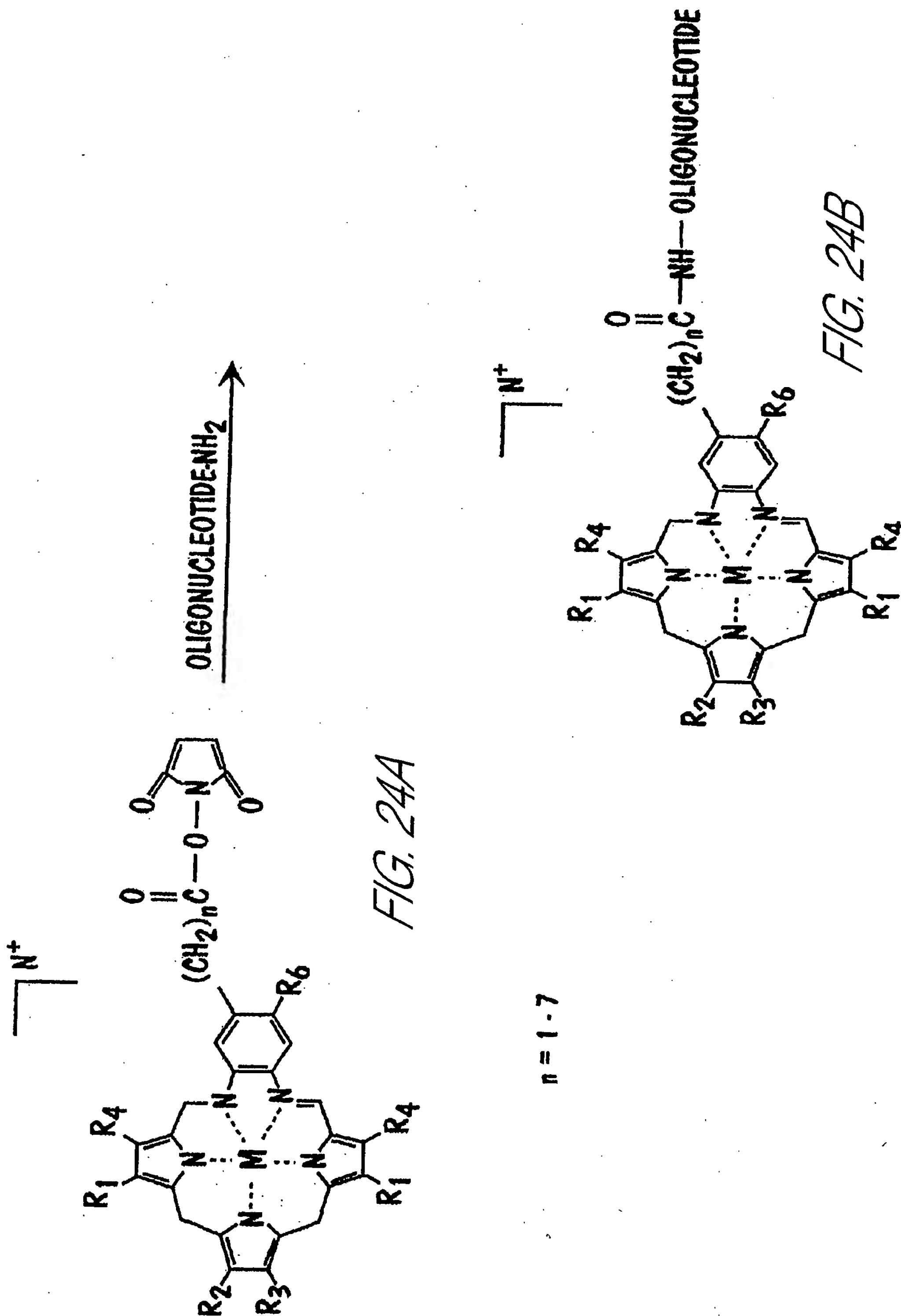
SEQ. ID. NO. 1

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
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ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

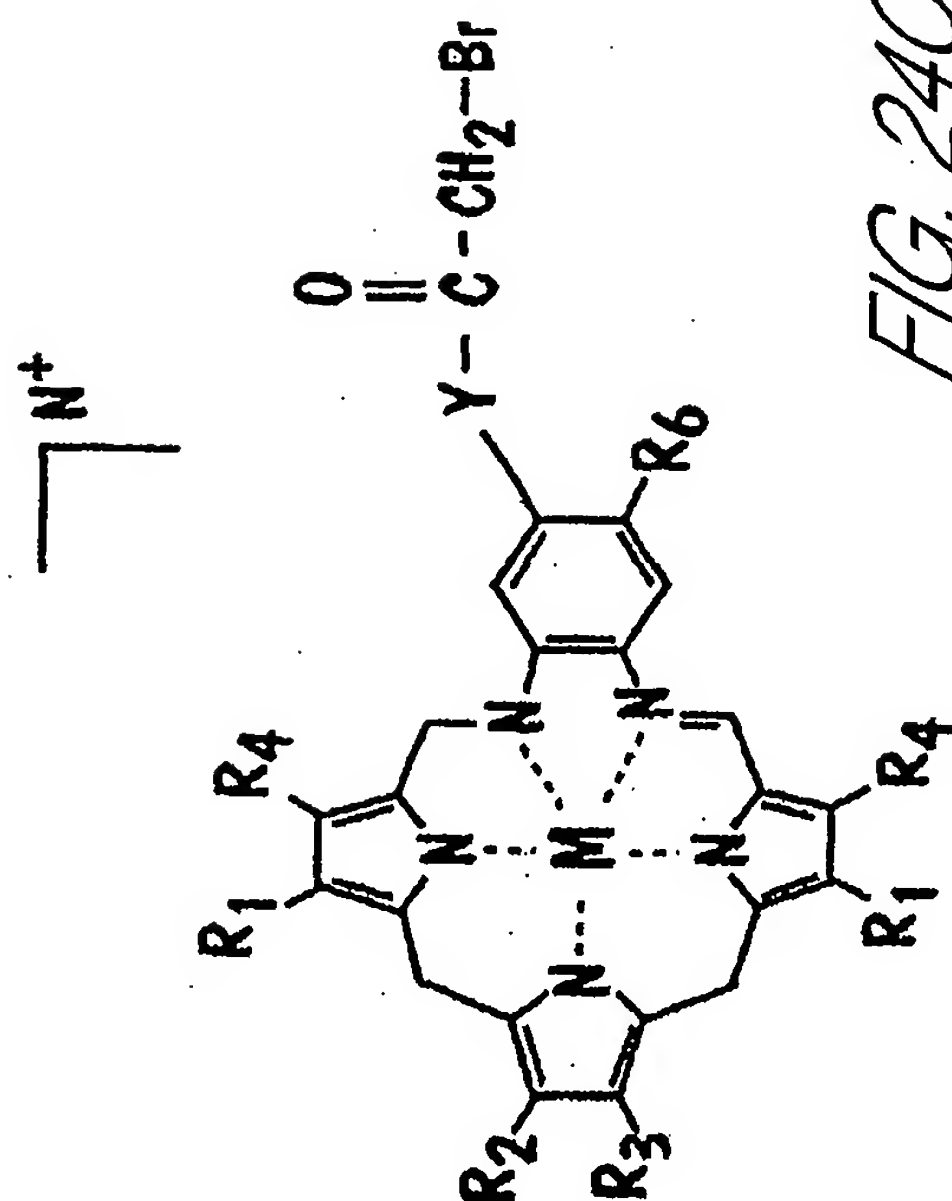


FIG. 24C

$n = 1-7$

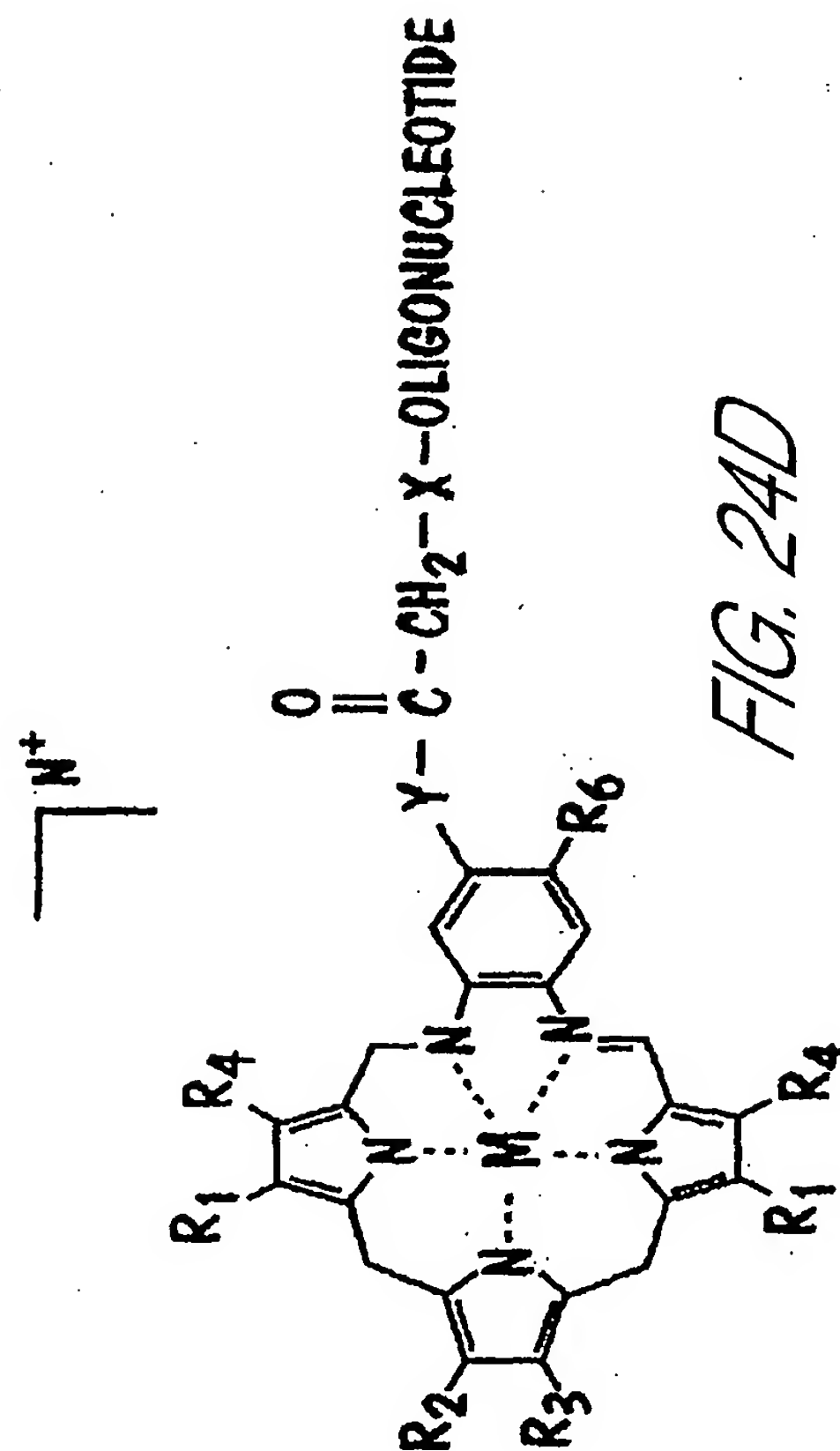
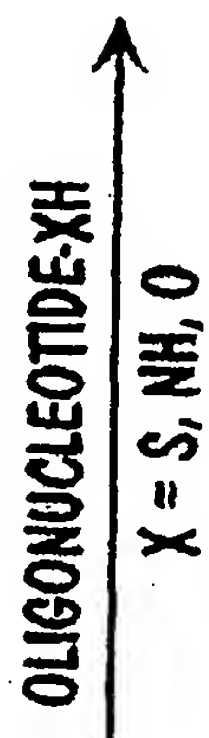


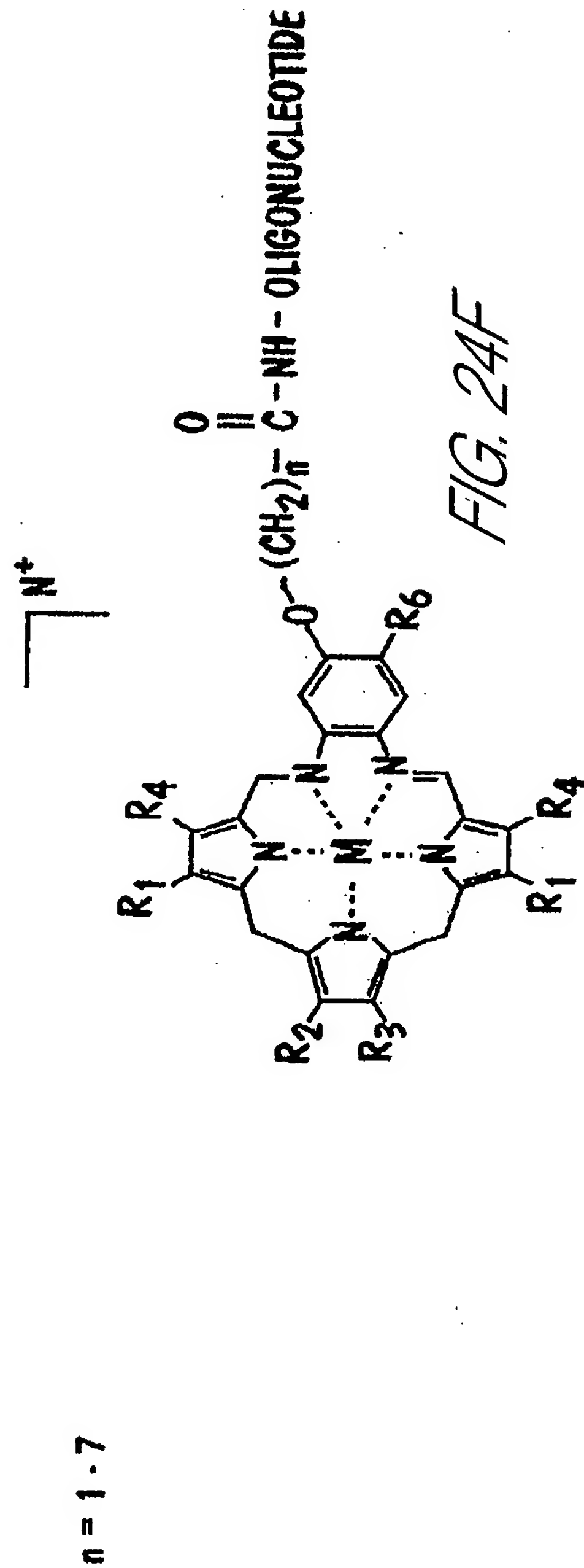
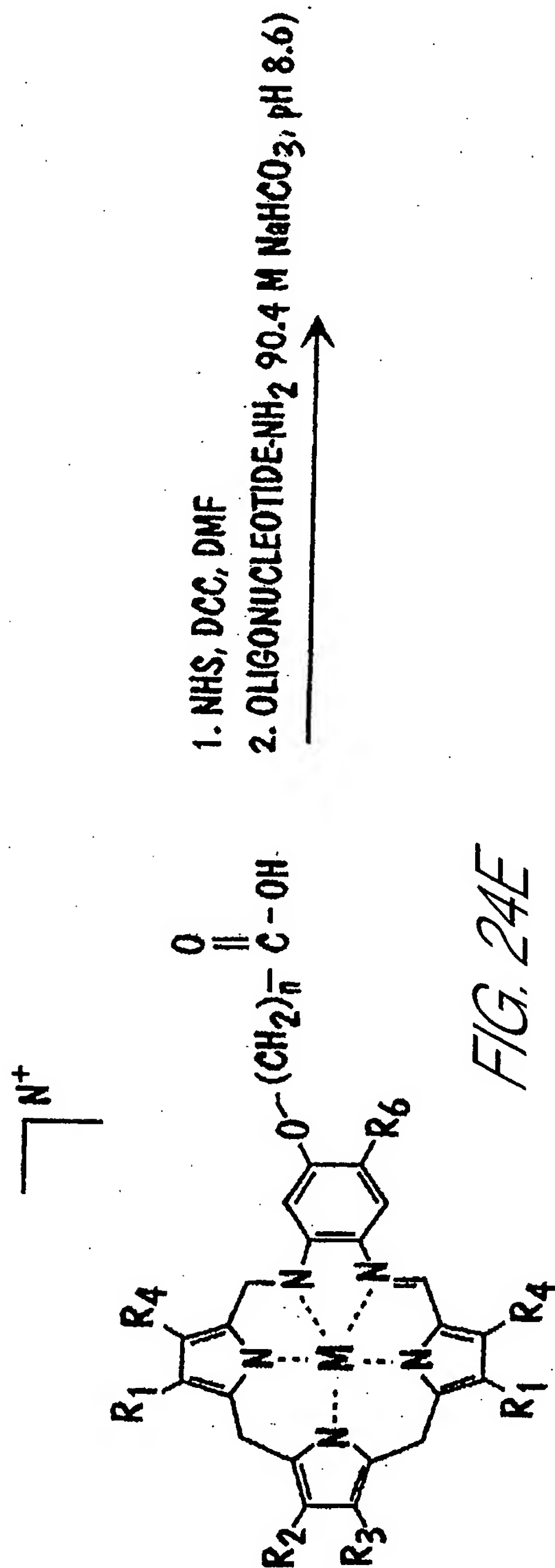
FIG. 24D

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

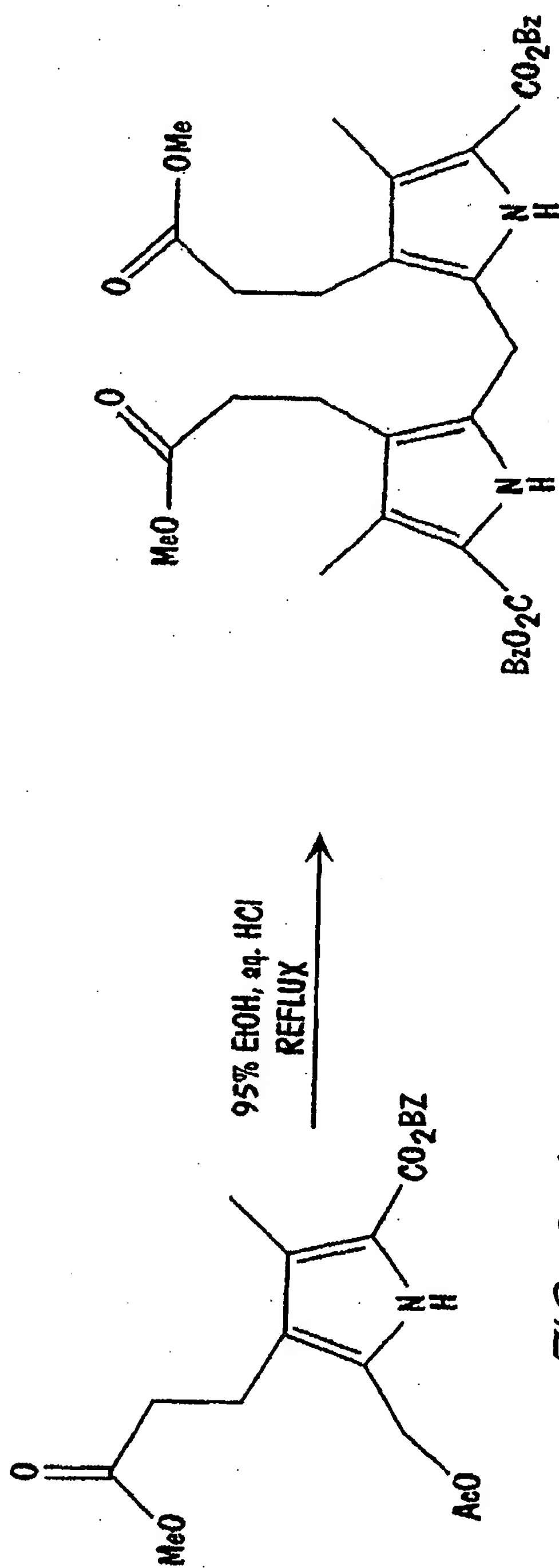


FIG. 25B

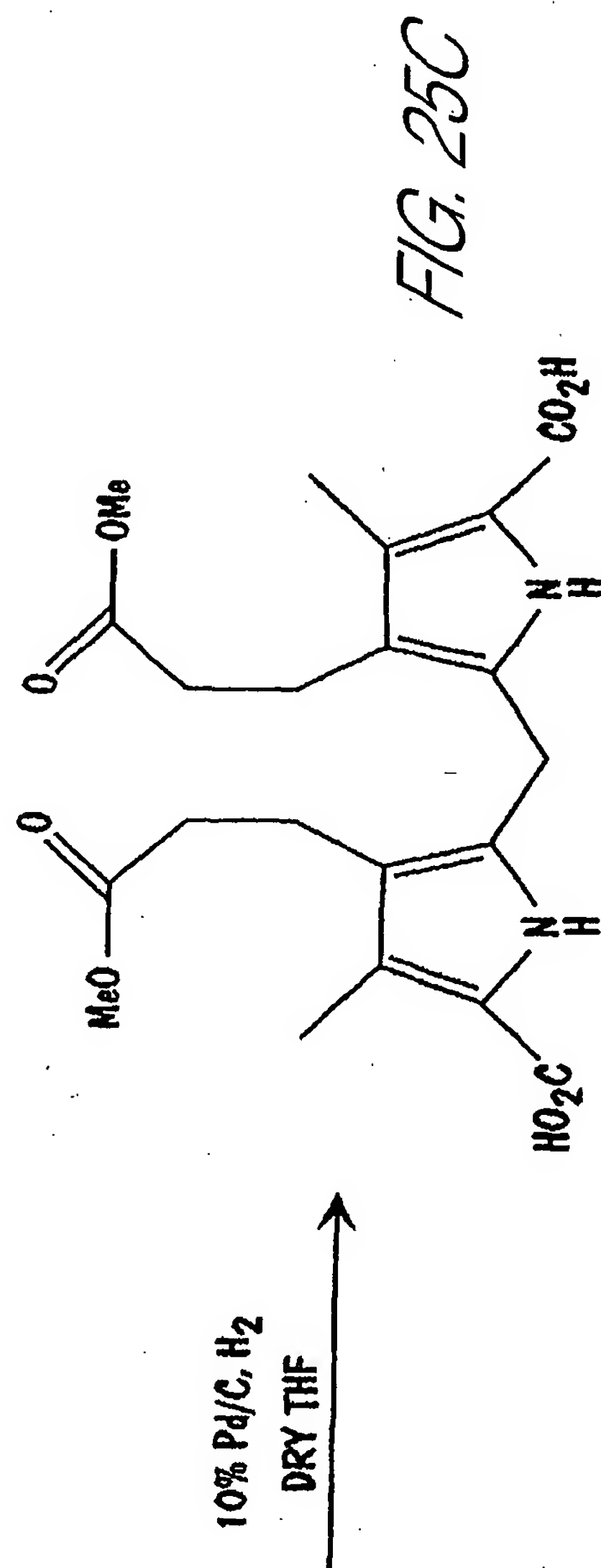


FIG. 25C

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

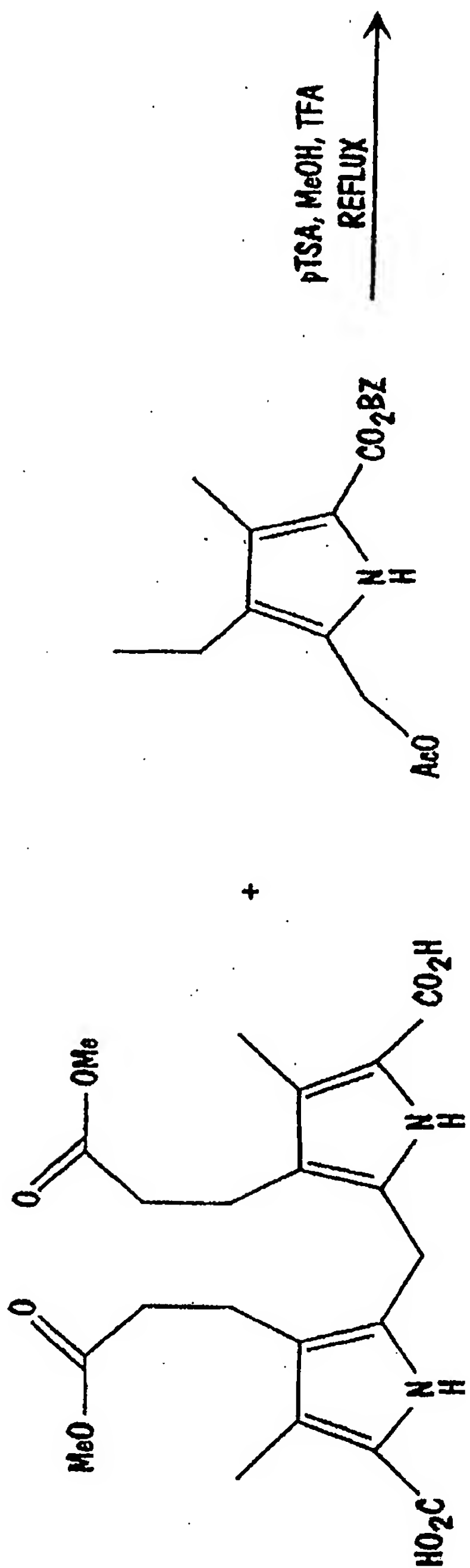


FIG. 25D

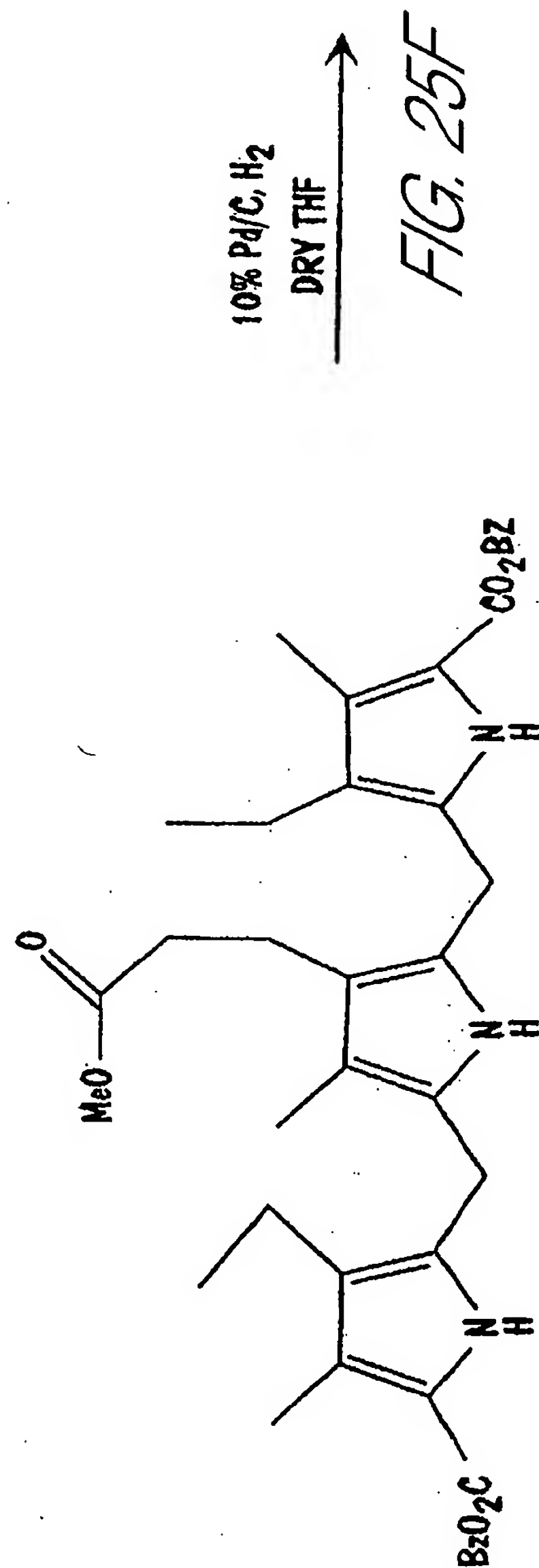


FIG. 25E

FIG. 25F

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

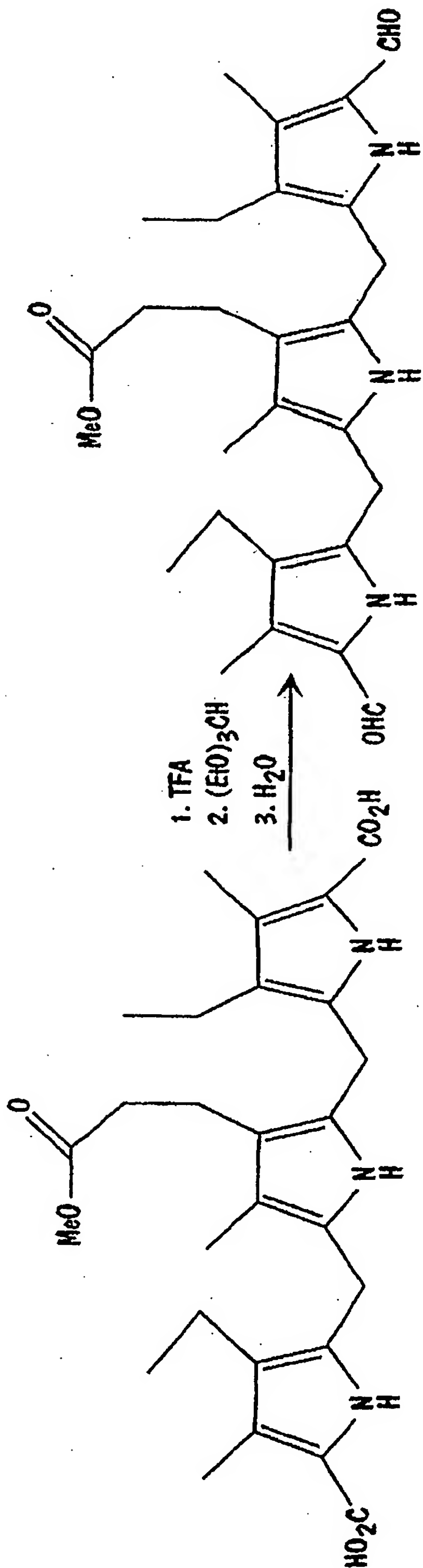


FIG. 25F

FIG. 25G

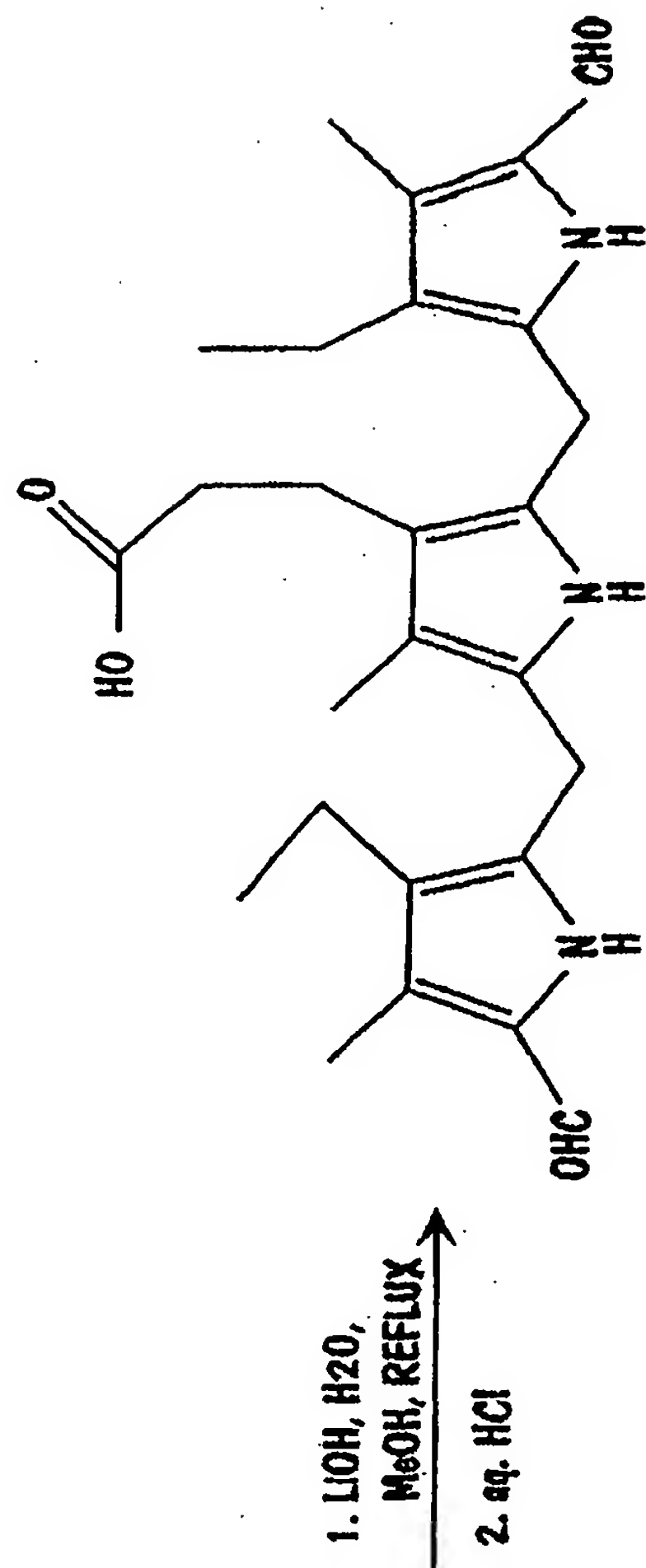


FIG. 25H

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

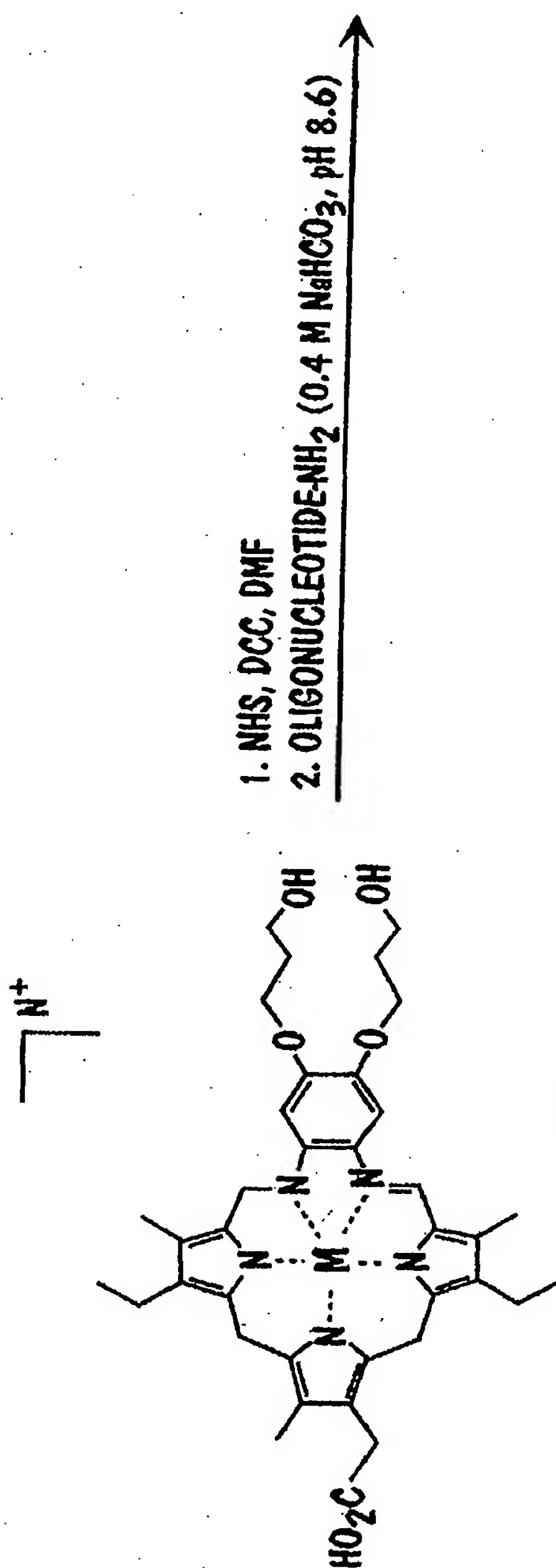


FIG. 25I

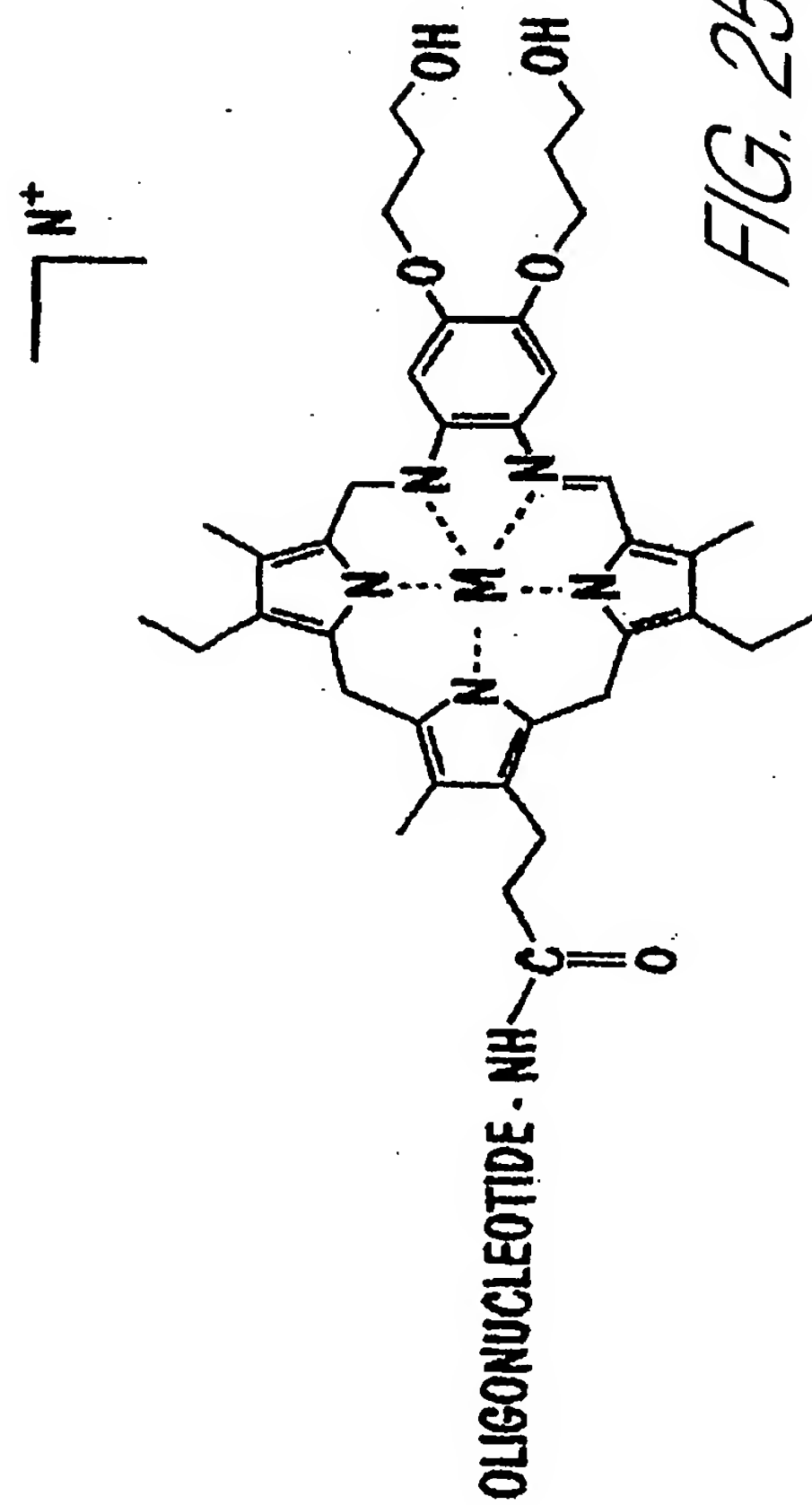


FIG. 25J

ULTRASOUND ASSEMBLY FOR USE WITH LIGHT ACTIVATED
DRUGS

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Appl. No.: Unknown

Atty Docket: EKOS.8CP3DV1C3

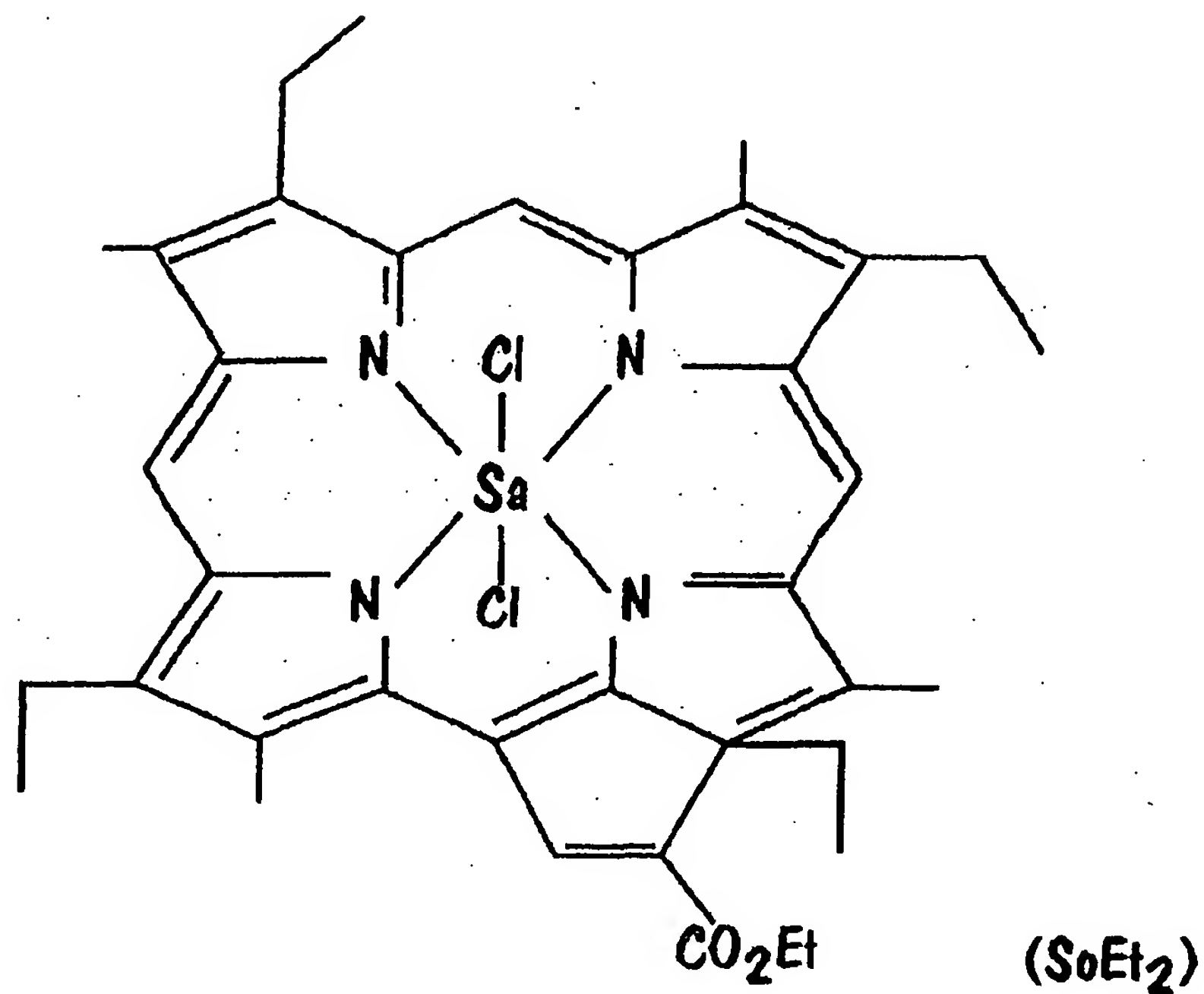


FIG. 26